

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 TS 2016-2	*	126	1
**VARIOUS		ILLINOIS	CONTRACT NO. 76J21	

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION DIST 8 TS 2016-2
PROJECT: ACHSIP-000V(058)
INSTALLATION OF NEAR-RIGHT &
FAR-LEFT TRAFFIC SIGNAL
INDICATIONS
VARIOUS COUNTIES

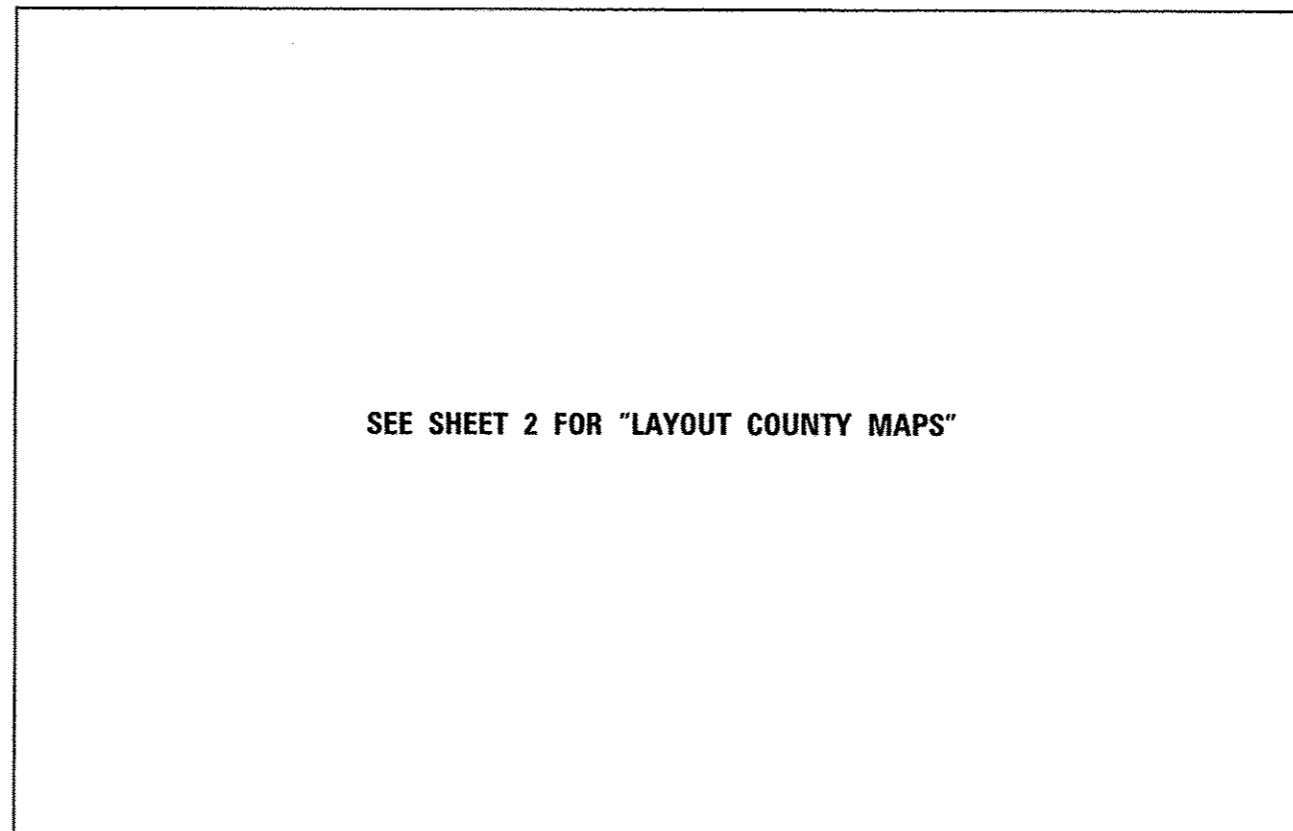
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INDEX OF SHEETS

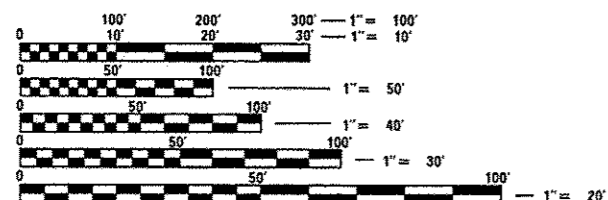
1. COVER SHEET
2. COUNTY LAYOUT MAPS
3. GENERAL NOTES, LEGEND AND DETAILS
4. & 5. SUMMARY OF QUANTITIES
6. - 126. INTERSECTION LOCATION MAPS, TRAFFIC SIGNAL PLANS AND CABLE DIAGRAMS (FOR "INDEX OF SHEETS PER INTERSECTION", SEE SHEET 3)

STANDARDS

701701-10	701801-06	701901-05
814001-03	878001-10	880006-01



SEE SHEET 2 FOR "LAYOUT COUNTY MAPS"



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: FRANK OPFER (618) 346-3175
SQUAD LEADER: MICHAEL PRESTON (618) 346-3143

CONTRACT NO. 76J21

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

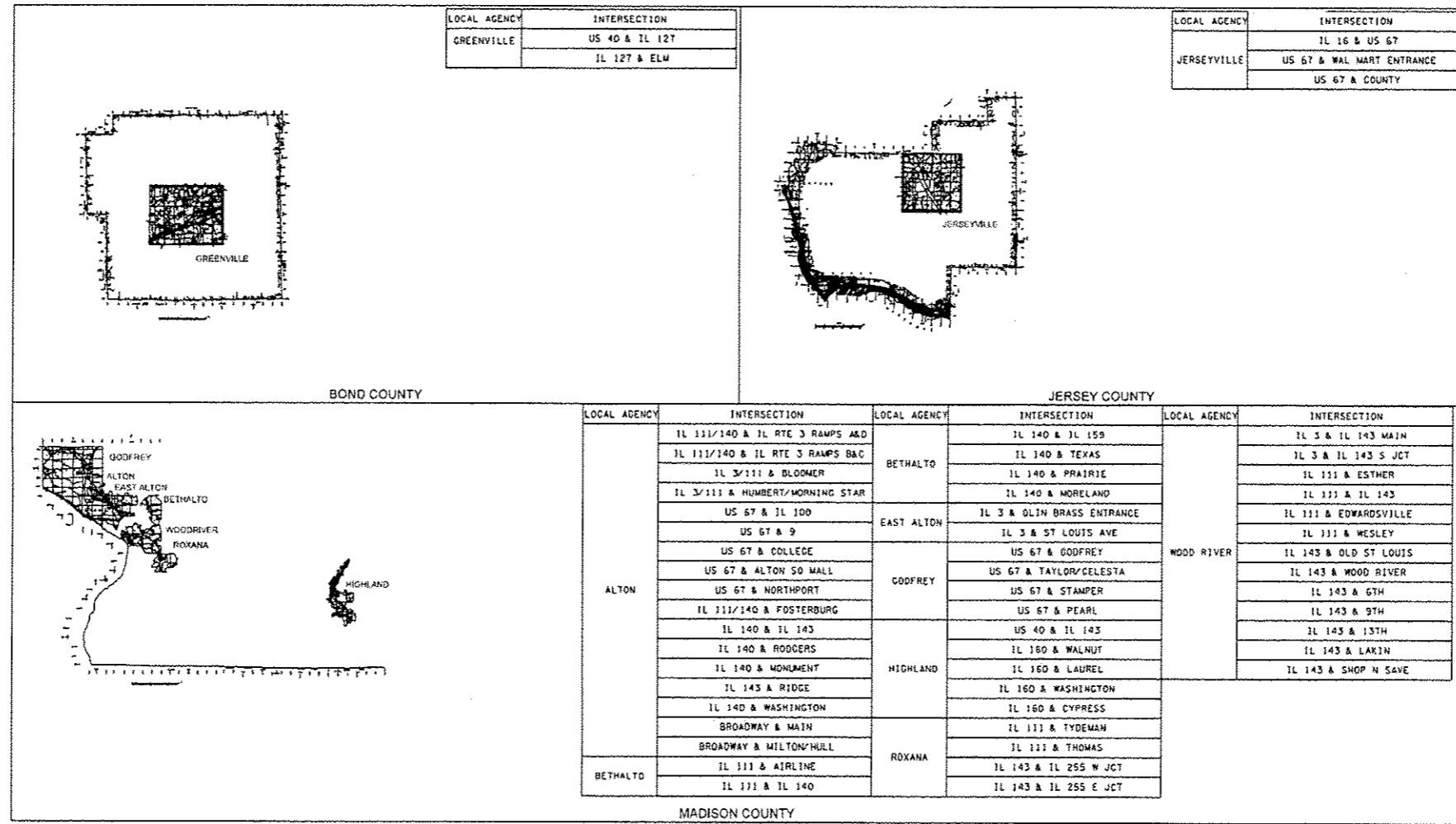
SUBMITTED March 18, 2016

Jeffrey Z. Kammer
REGIONAL ENGINEER

Maureen M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Cher Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS



TRAFFIC SIGNALS LEGEND

EX BM	EXISTING BRACKET MOUNTED
PR BM	PROPOSED BRACKET MOUNTED
E.N.S.W	EAST_NORTH_SOUTH_WEST
HM*_DHH*	HANDHOLE*_DOUBLE HANDHOLE*
CNTRL	CONTROLLER
	EXISTING SIGNAL POST
	EXISTING SIGNAL POST WITH BACKPLATE
	EXISTING TRAFFIC SIGNAL MAST ARM
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
	EXISTING HEAVY DUTY HANDHOLE
	EXISTING DETECTOR LOOP
	EXISTING CONTROLLER
	EXISTING SERVICE INSTALLATION
	EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
	EXISTING (E.V.P.S.) CONFIRMATION BEACON
	EXISTING SIGNAL HEAD, PEDESTRIAN
	EXISTING PEDESTRIAN PUSHBUTTON DETECTOR
	EXISTING UNDERGROUND CONDUIT
	PROPOSED HANDHOLE
	RELOCATED SIGNAL HEAD, PEDESTRIAN
	RELOCATED SIGNAL HEAD, PEDESTRIAN
	PROPOSED UNDERGROUND CONDUIT
	PROPOSED SIGNAL POST

ELECTRICAL GENERAL NOTES

- ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM, ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
- BACKPLATES SHALL BE ABS PLASTIC.
- ALL TRAFFIC SIGNAL CABLE SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTOR. NO TERMINAL ENDS FOR DETECTOR LOOP LEAD-INS.
- HANDHOLES SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE (PER ARTICLE 1088.10(C)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
- LOCATE UNDERGROUND CABLES PRIOR TO ATTEMPTING TO CONSTRUCT THIS PROJECT.
- SIGNAL HEAD COLOR SHALL MATCH THE EXISTING RESPECTIVE MOUNTING STRUCTURE COLOR.

INDEX OF SHEETS PER INTERSECTION

- 6. - 10. GREENVILLE
- 11. - 19. JERSEYVILLE
- 20. - 53. ALTON
- 54. - 66. BETHALTO
- 67. - 71. EAST ALTON
- 72. - 80. GODFREY
- 81. - 91. HIGHLAND
- 92. - 100. ROXANA
- 101. - 126. WOODRIVER

COUNTY	LOCAL AGENCY	INTERSECTION
BOND	GREENVILLE	US 40 & IL 127
		IL 127 & ELW

COUNTY	LOCAL AGENCY	INTERSECTION
JERSEY	JERSEYVILLE	IL 16 & US 67
		US 67 & WAL MART ENTRANCE
		US 67 & COUNTY
		US 67 & PEARL

COUNTY	LOCAL AGENCY	INTERSECTION
ALTON		IL 111/140 & IL RTE 3 RAMPS AND
		IL 111/140 & IL RTE 3 RAMPS B&C
		IL 3/111 & BLOOMER
		IL 3/111 & HUMBERT/MORNING STAR
		US 67 & IL 100
		US 67 & 9
		US 67 & COLLEGE
		US 67 & ALTON SQ MALL
		US 67 & NORTHPORT
		IL 111/140 & FOSTERBURG
		IL 140 & IL 143
		IL 140 & RODGERS
		IL 140 & MONUMENT
		IL 143 & RIDGE
		IL 140 & WASHINGTON
BETHALTO		BROADWAY & MAIN
		BROADWAY & MILTON/HULL
		IL 111 & AIRLINE
EAST ALTON		IL 111 & IL 140
		IL 140 & IL 159
		IL 140 & TEXAS
GODFREY		IL 140 & PRAIRIE
		IL 140 & MORELAND
		IL 3 & OLIN BRASS ENTRANCE
HIGHLAND		IL 3 & ST LOUIS AVE
		US 67 & GODFREY
		US 67 & TAYLOR/CELESTA
ROXANA		US 67 & STAMPER
		US 67 & PEARL
		US 40 & IL 143
WOODRIVER		IL 160 & WALNUT
		IL 160 & LAUREL
		IL 160 & WASHINGTON
WOOD RIVER		IL 160 & CYPRESS
		IL 111 & TYDEMAN
		IL 111 & THOMAS
		IL 143 & IL 255 W JCT
		IL 143 & IL 255 E JCT
		IL 3 & IL 143 MAIN
		IL 3 & IL 143 S JCT
		IL 111 & ESTHER
		IL 111 & IL 143
		IL 111 & EDWARDSVILLE
		IL 111 & WESLEY
		IL 143 & OLD ST LOUIS
WOOD RIVER		IL 143 & WOOD RIVER
		IL 143 & 6TH
		IL 143 & 9TH
		IL 143 & 13TH
WOOD RIVER		IL 143 & LAKIN
		IL 143 & SHOP N SAVE

LOCATION* INTERSECTION LOCAL AGENCY	COMPANY	TYPE
081 US 67 & ALTON SQ MALL ALTON	CITY OF ALTON	(*) (1) (2) LIGHTS AND SEWER
	AT&T	(*) (1) (2) COMMUNICATIONS
	AMEREN ILLINOIS	(*) (1) (2) GAS & ELECTRIC
	VILLAGE OF GODFREY	(*) (2) SEWER
	ILLINOIS AMERICAN WATER	(*) (2) WATER
	CHARTER COMMUNICATIONS	(*) (1) (2) CABLE TV
114 IL 140 & IL 143 ALTON	CITY OF ALTON	(*) (1) (2) LIGHTS AND SEWER
	AT&T	(*) (1) (2) COMMUNICATIONS
	AMEREN ILLINOIS	(*) (1) (2) GAS & ELECTRIC
	ILLINOIS AMERICAN WATER	(*) (2) WATER
086 US 67 & PEARL GODFREY	AT&T	(*) (1) (2) COMMUNICATION
	AMEREN ILLINOIS	(*) (1) (2) GAS & ELECTRIC
	VILLAGE OF GODFREY	(*) (1) (2) SEWER
	ILLINOIS AMERICAN WATER	(*) (2) WATER
022 IL 3 & OLIN BRASS ENTRANCE EAST ALTON	AT&T	(*) (1) (2) COMMUNICATION
	AMEREN ILLINOIS	(*) (1) (2) GAS & ELECTRIC
	LINDE NORTH AMERICA, INC.	(*) (2) GAS
	ENABLE MIDSTREAM PARTNERS	(*) (2) PIPELINE
	CHARTER COMMUNICATIONS	(*) (1) (2) CABLE TV
	CITY OF WOOD RIVER	(*) (2) SEWER & WATER
129 IL 143 & IL 255 W JCT ROXANA	AT&T	(*) (1) (2) COMMUNICATIONS
	AMEREN ILLINOIS	(*) (1) (2) GAS & ELECTRIC
	VILLAGE OF ROXANA	(*) (2) SEWER & WATER
	CHARTER COMMUNICATIONS	(*) (1) (2) CABLE TV
	BUCKEYE PARTNERS L.P.--WOOD RIVER PIPELINE	(*) (2) PIPELINE
	CITY OF WOOD RIVER	(*) (1) (2) SEWER & WATER

LOCATION* INTERSECTION LOCAL AGENCY	COMPANY	TYPE
150 IL 143 & IL 255 E JCT ROXANA	AT&T	(*) (1) (2) COMMUNICATIONS
	AMEREN ILLINOIS	(*) (1) (2) GAS & ELECTRIC
	PLAINS PIPELINE, L.P.	(*) (2) PIPELINE
	VILLAGE OF ROXANA	(*) (2) SEWER & WATER
	CHARTER COMMUNICATIONS	(*) (1) (2) CABLE TV
	BUCKEYE PARTNERS L.P.--WOOD RIVER PIPELINE	(*) (2) PIPELINE
	CITY OF WOOD RIVER	(*) (2) SEWER & WATER
246 IL 143 & 13TH WOOD RIVER	AMEREN ILLINOIS	(*) (1) (2) GAS & ELECTRIC
	NEW WAVE COMMUNICATIONS	(*) (1) (2) CABLE TV
	FRONTIER COMMUNICATIONS (SOUTH)	(*) (1) (2) COMMUNICATIONS
	GRAFTON TELEPHONE COMPANY	(*) (1) (2) COMMUNICATIONS
	JERSEY COUNTY RURAL WATER	(*) (2) WATER
	CITY OF JERSEYVILLE	(*) (2) SEWER & WATER
123 IL 143 & WOOD RIVER WOOD RIVER	BP PIPELINES (NORTH AMERICA) INC.	(*) (2) GAS
	AT&T	(*) (1) (2) COMMUNICATIONS
	AMEREN ILLINOIS	(*) (1) (2) GAS & ELECTRIC
	ENABLE MIDSTREAM PARTNERS	(*) (2) PIPELINE
	CHARTER COMMUNICATIONS	(*) (1) (2) CABLE TV
	CITY OF WOOD RIVER	(*) (2) SEWER AND WATER
127 IL 143 & LAKIN WOOD RIVER	AT&T	(*) (1) (2) COMMUNICATIONS
	AMEREN ILLINOIS	(*) (1) (2) GAS AND ELECTRIC
	MARATHON PIPE LINE LLC	(*) (2) PIPELINE
	CHARTER COMMUNICATIONS	(*) (1) (2) CABLE TV
	CITY OF WOOD RIVER	(*) (2) SEWER & WATER

MEMBERS OF J.U.L.I.E. ARE (800-892-0123) ARE INDICATED BY AN ASTERISK(*). NON- J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
 (1)=AERIAL
 (2)= BURIAL

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE-0021		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0021 90% fed. 10% STATE	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	220	220	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	30	30	
67100100	MOBILIZATION	L SUM	1	1	
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	55	55	
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	31	31	
80300100	LOCATING UNDERGROUND CABLE	FOOT	263	263	
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	263	263	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	19536	19536	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	21954	21954	
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	10	10	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	30	30	
87900200	DRILL EXISTING HANDHOLE	EACH	10	10	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE-0021		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0021 90% fed. 10% STATE	
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	49	49	
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	27	27	
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	46	46	
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	5	
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	11	11	
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	46	46	
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	63	63	
89502200	MODIFY EXISTING CONTROLLER	EACH	55	55	
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	55	55	
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	237993	237993	

10

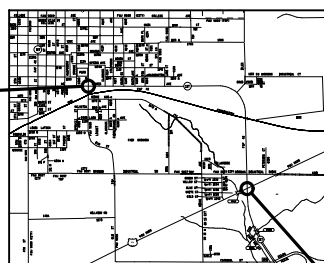
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SUMMARY OF QUANTITIES

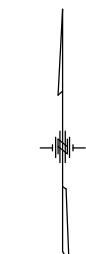
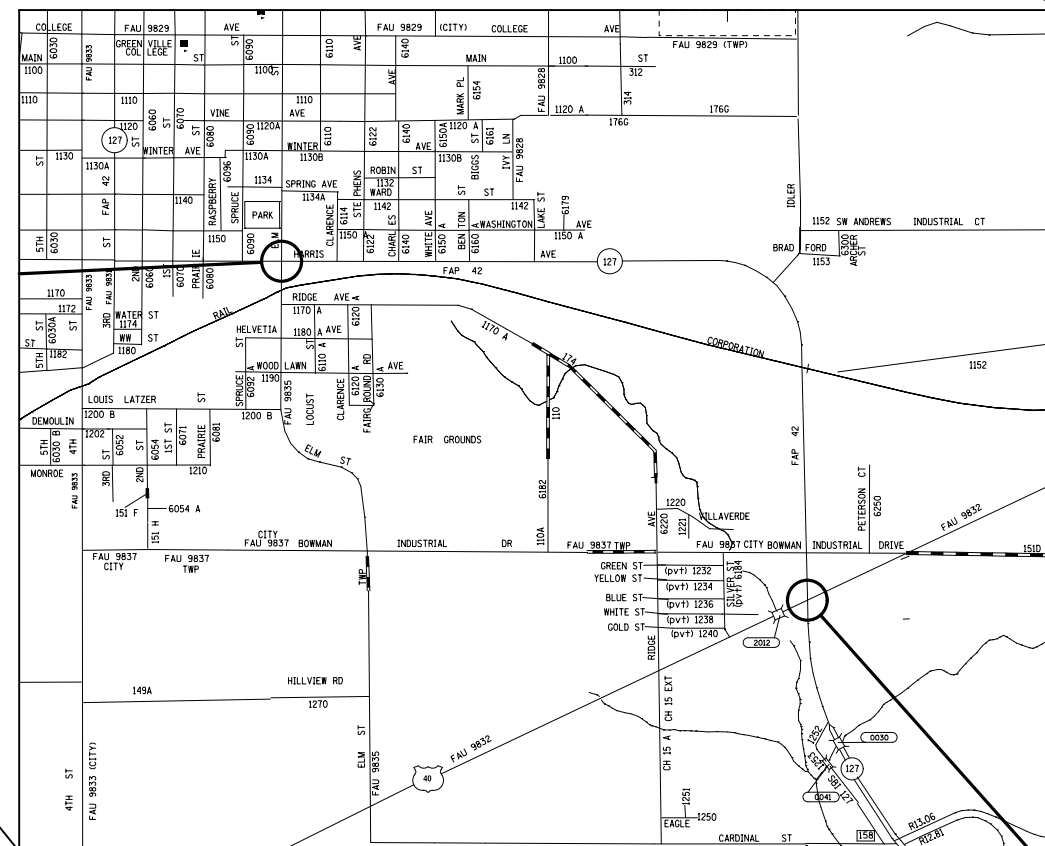
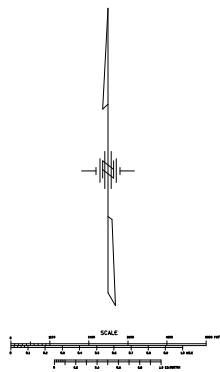
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE-0021		
CODE NO	ITEM	UNIT		0021 90% fed. 10% STATE		
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	220	220		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE-0021		
CODE NO	ITEM	UNIT				

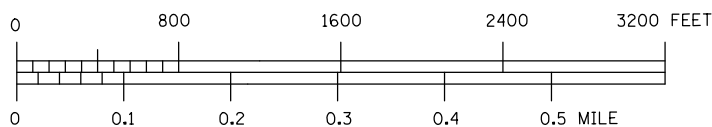
IL 127 & ELM



US 40 & IL 127



SCALE



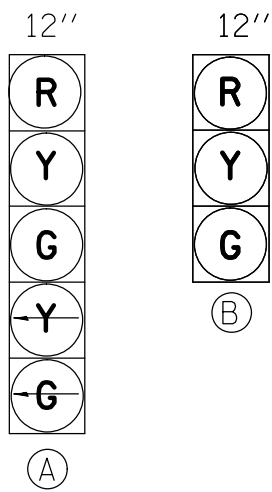
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP GREENVILLE, BOND CNTY.**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	6
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



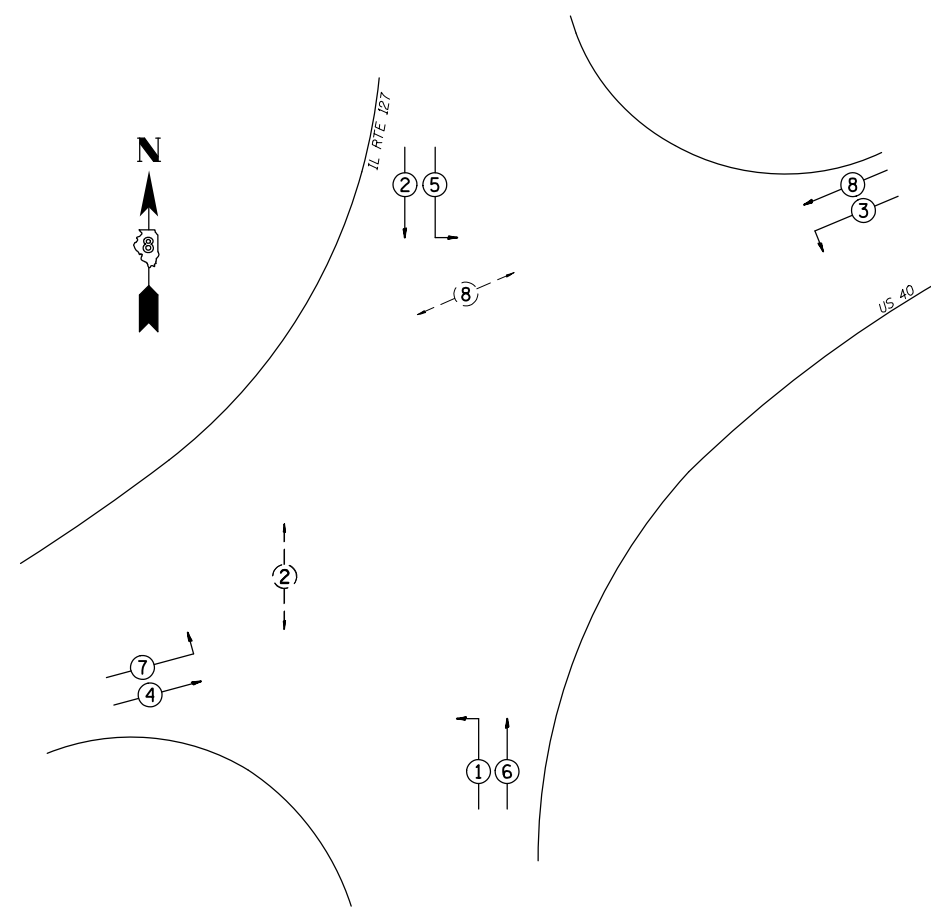
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↙	↓	↘	↗	↘	↑	↗	↙
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH03, EX. 2" COND.-105'
 REM & RE ELCBL FR CON-174'
 REM & RE ELCBL FR CON-145'
 REM & RE ELCBL FR CON-114'
 REM & RE ELCBL FR CON-121'
 ELCBL C SIGNAL 14 7C-121'
 SH P LED 1F 1-5 BM-1 (EACH)

EXSW BM-EXHH01, EX. 2" COND.-39'
 REM & RE ELCBL FR CON-119'
 REM & RE ELCBL FR CON-89'
 ELCBL C SIGNAL 14 5C-55'
 ELCBL C SIGNAL 14 7C-55'
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH03-EXDHH01, EX. 2.5" COND.-115'
 10-REM & RE ELCBL FR CON-121' (EACH)
 ELCBL C SIGNAL 14 7C-121'

EXDHH01-EXCNRTL, EX. 2-3.5" COND.-12'
 32-REM & RE ELCBL FR CON-28' (EACH)
 ELCBL C SIGNAL 14 5C-28'
 4-ELCBL C SIGNAL 14 7C-28' (EACH)

EXNE BM-EXDHH01, EX. 2" COND.-11'
 REM & RE ELCBL FR CON-91'
 REM & RE ELCBL FR CON-62'
 REM & RE ELCBL FR CON-20'
 2-REM & RE ELCBL FR CON-27' (EACH)
 ELCBL C SIGNAL 14 7C-27'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH02-EXDHH01, EX. 3.5" COND.-236'
 15-REM & RE ELCBL FR CON-243' (EACH)
 ELCBL C SIGNAL 14 5C-243'
 2-ELCBL C SIGNAL 14 7C-243' (EACH)

EXSE BM-EXHH02, EX. 2" COND.-97'
 REM & RE ELCBL FR CON-167'
 REM & RE ELCBL FR CON-137'
 ELCBL C SIGNAL 14 7C-113'
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH01-EXHH02, EX. 2.5" COND.-138'
 9-REM & RE ELCBL FR CON-145' (EACH)
 ELCBL C SIGNAL 14 5C-145'
 ELCBL C SIGNAL 14 7C-145'

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



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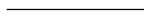

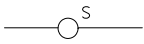
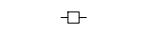
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

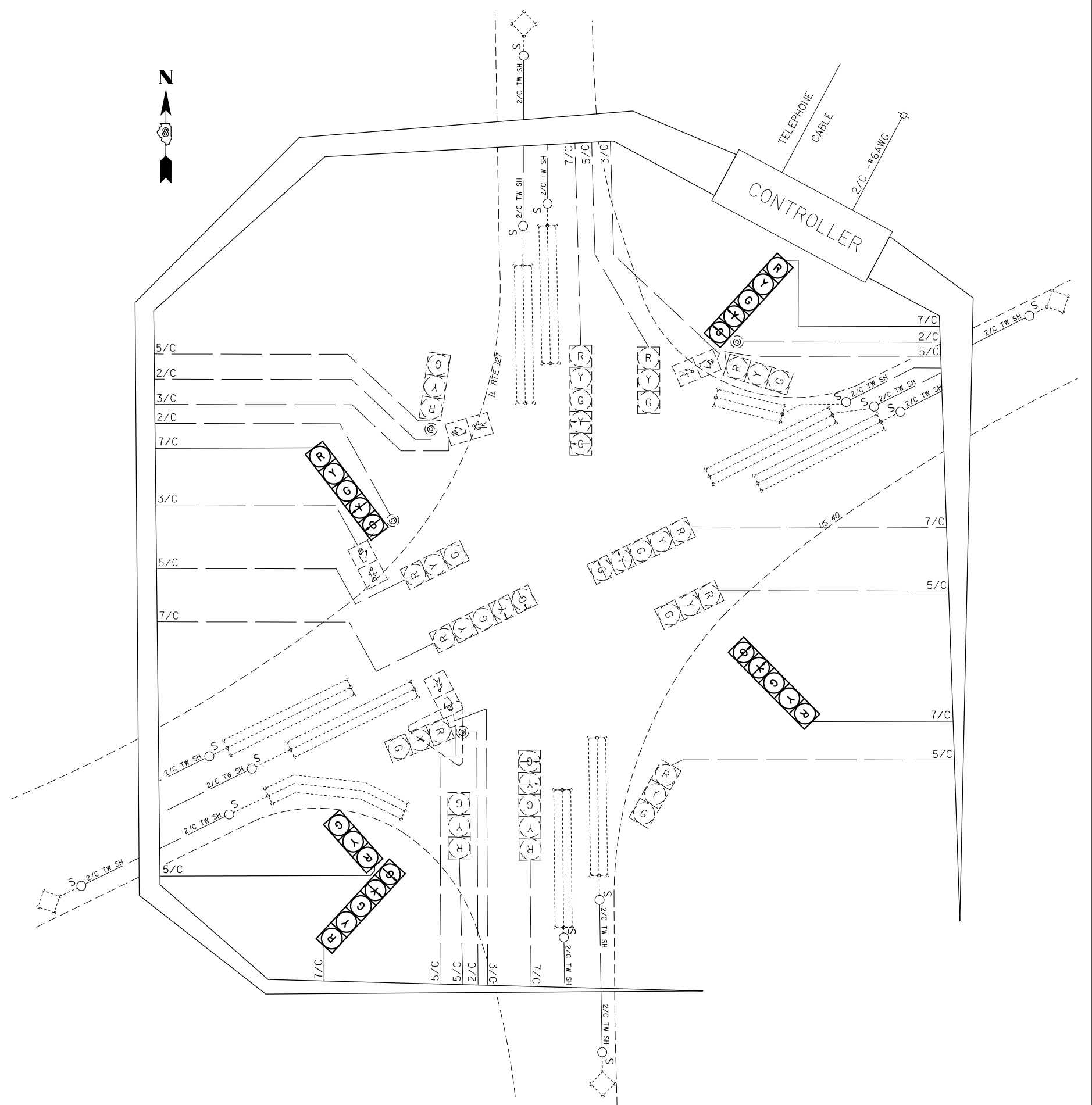
US 40 & IL 127 (GREENVILLE, BOND CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	7
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	498
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1153
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	8349

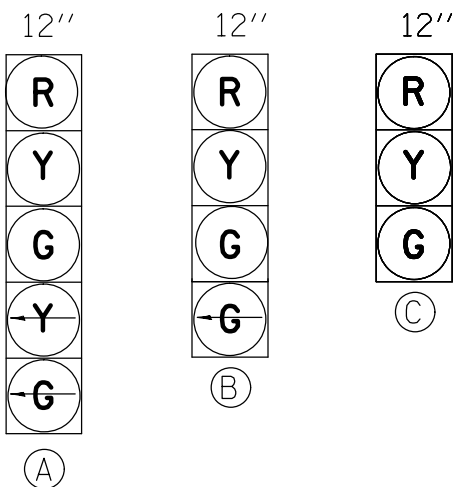
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 40 & IL 127 (GREENVILLE, BOND CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	8
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

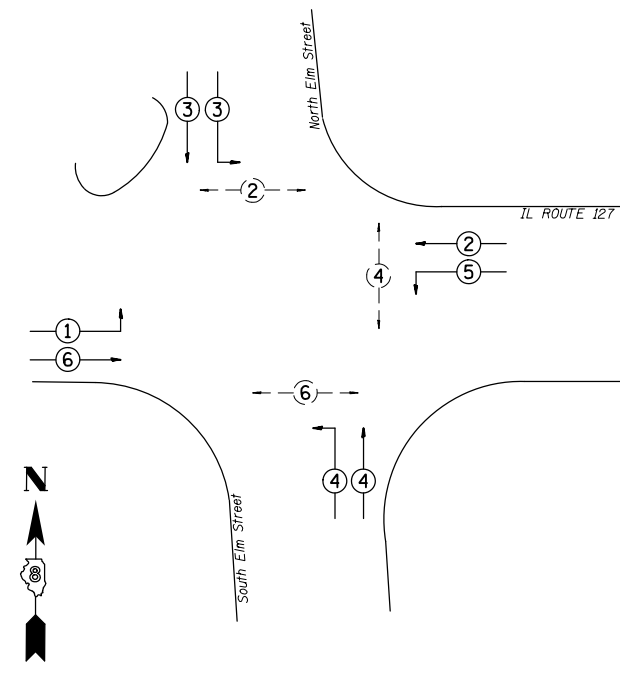
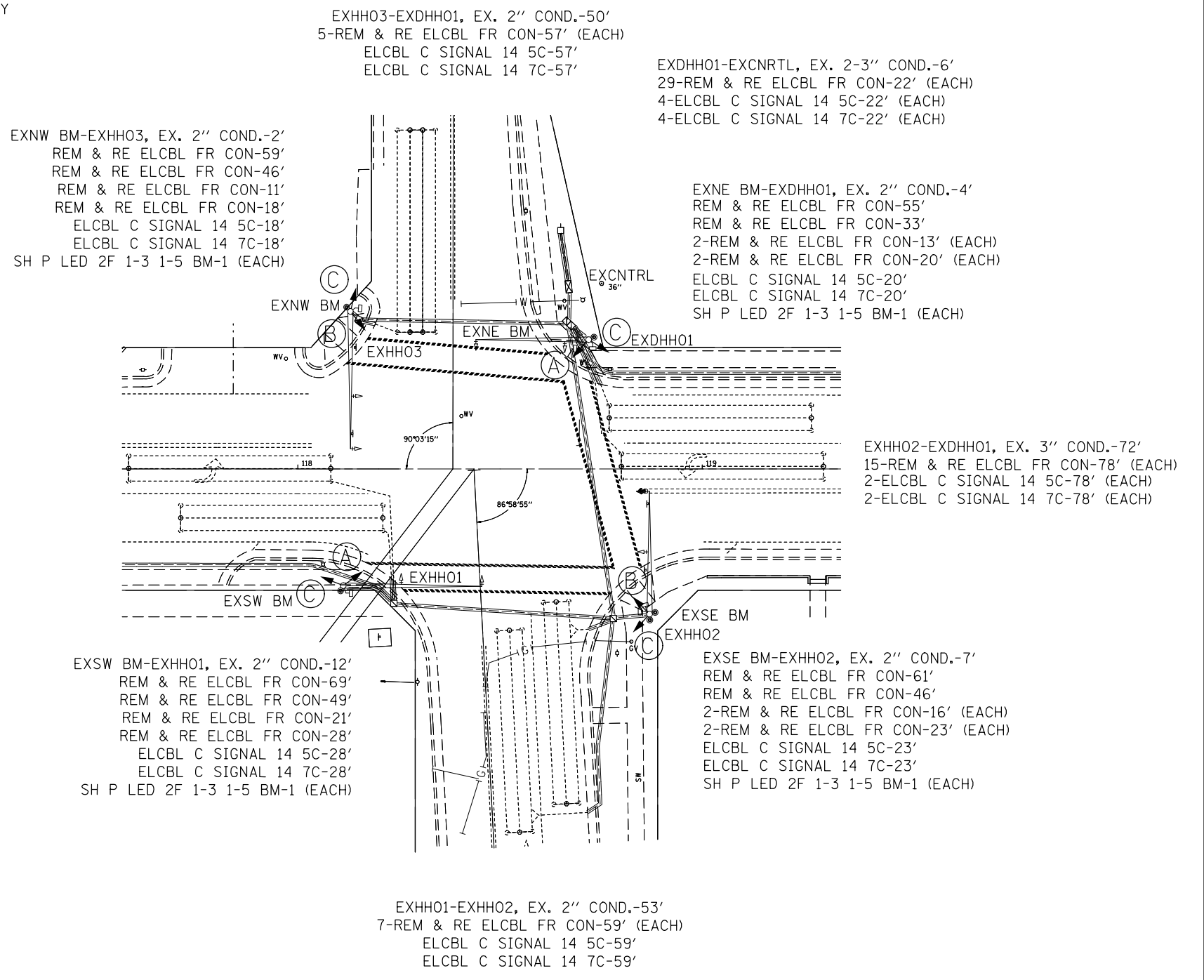
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←*	↙ ↘	↖ ↗*	↔	↔*	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

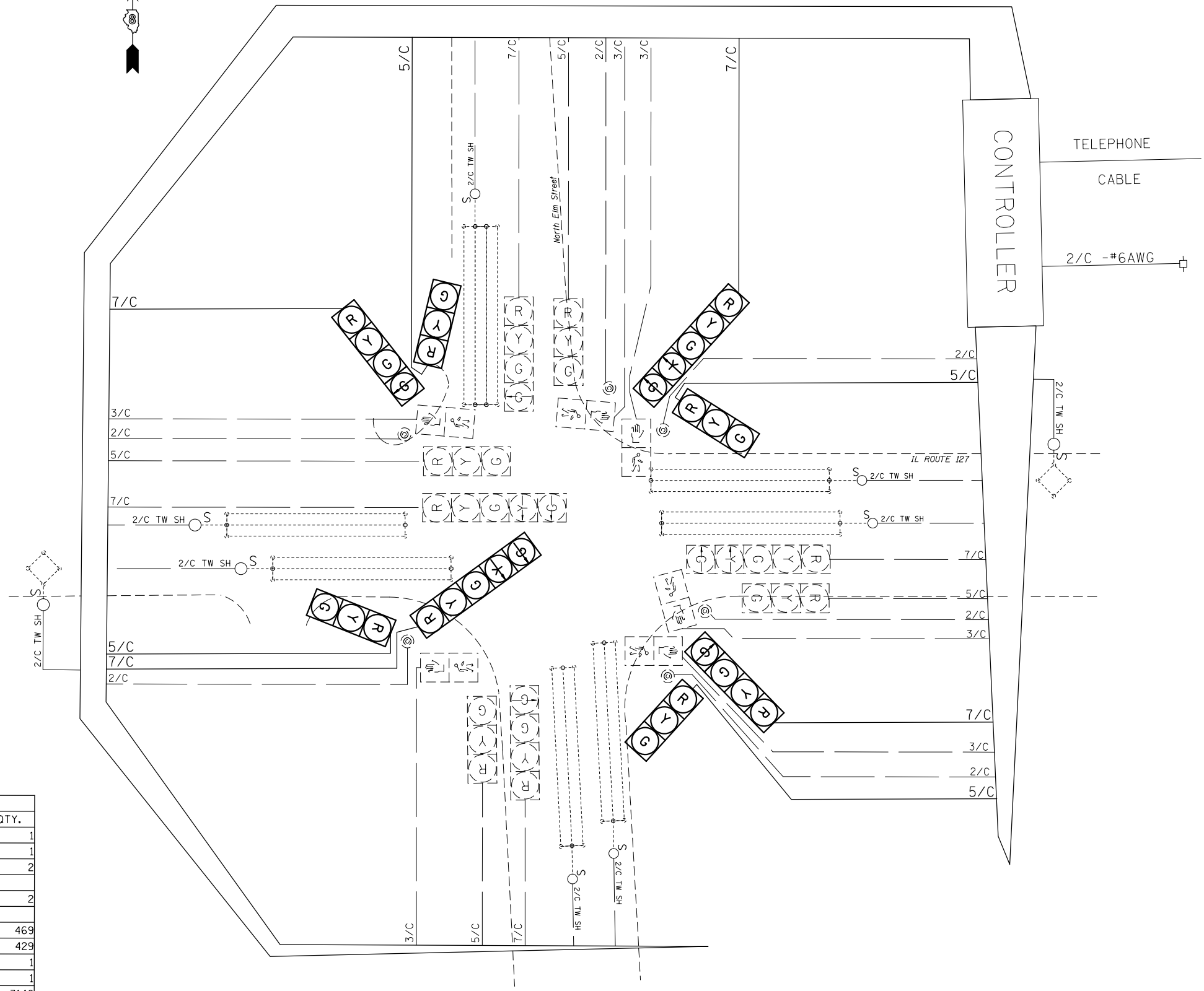


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



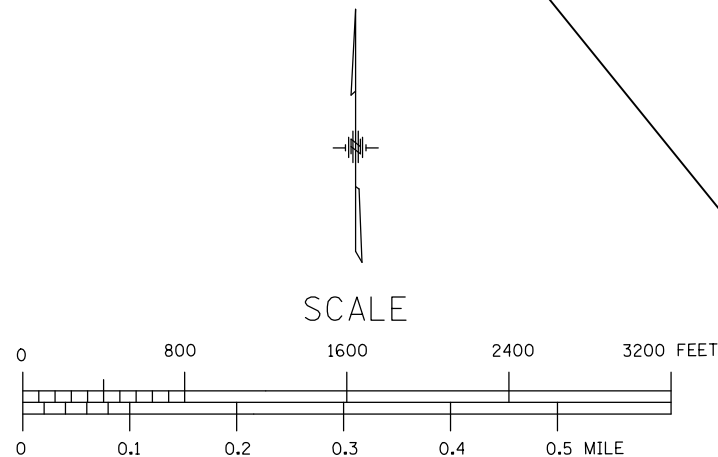
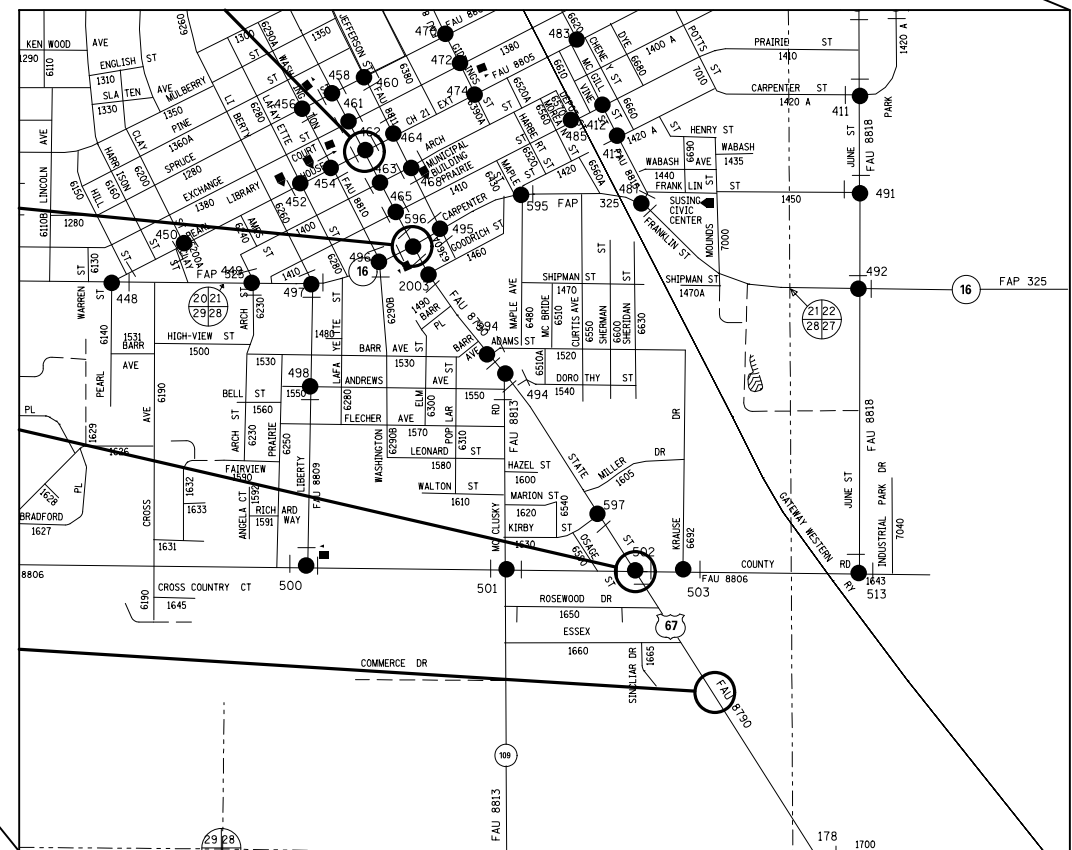
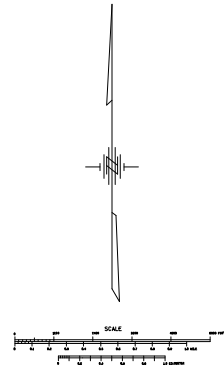
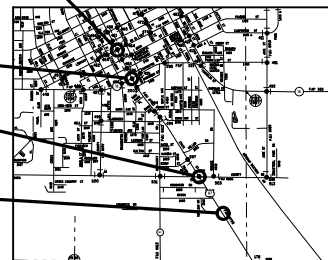
SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
7010264	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	469
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	429
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3146

US 67 & PEARL

IL 16 & US 67

US 67 & COUNTY

US 67 & WAL MART ENT



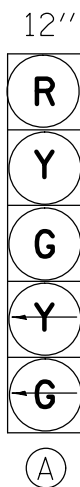
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	PLOT DATE = 3/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION			
MAP JERSEVILLE, JERSEY CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2016-2	•	126	11
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

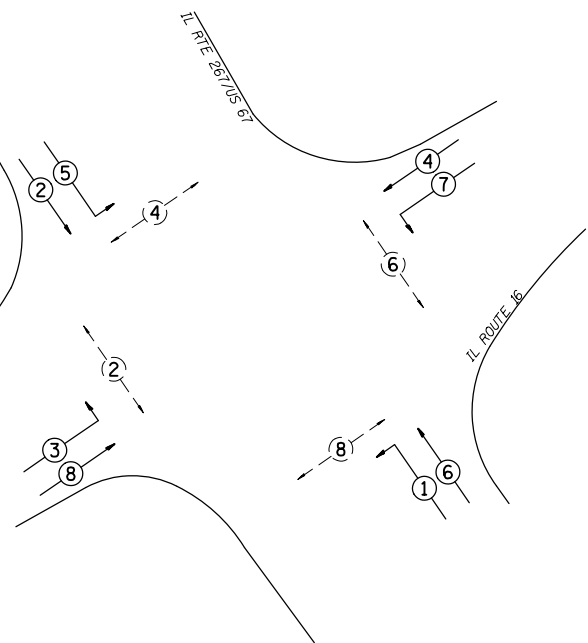


EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

EXDHH01-EXCNRTL, EX. 4" COND.-5'
 40-REM & RE ELCBL FR CON-21' (EACH)
 4-ELCBL C SIGNAL 14 5C-21' (EACH)
 4-ELCBL C SIGNAL 14 7C-21' (EACH)

EXNW BM-EXDHH01, EX. 2.5" COND.-4'
 REM & RE ELCBL FR CON-72'
 REM & RE ELCBL FR CON-69'
 REM & RE ELCBL FR CON-61'
 2-REM & RE ELCBL FR CON-13' (EACH)
 2-REM & RE ELCBL FR CON-20' (EACH)
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH02-EXDHH01, EX. 3.5" COND.-110'
 19-REM & RE ELCBL FR CON-81' (EACH)
 2-ELCBL C SIGNAL 14 5C-81' (EACH)
 2-ELCBL C SIGNAL 14 7C-81' (EACH)

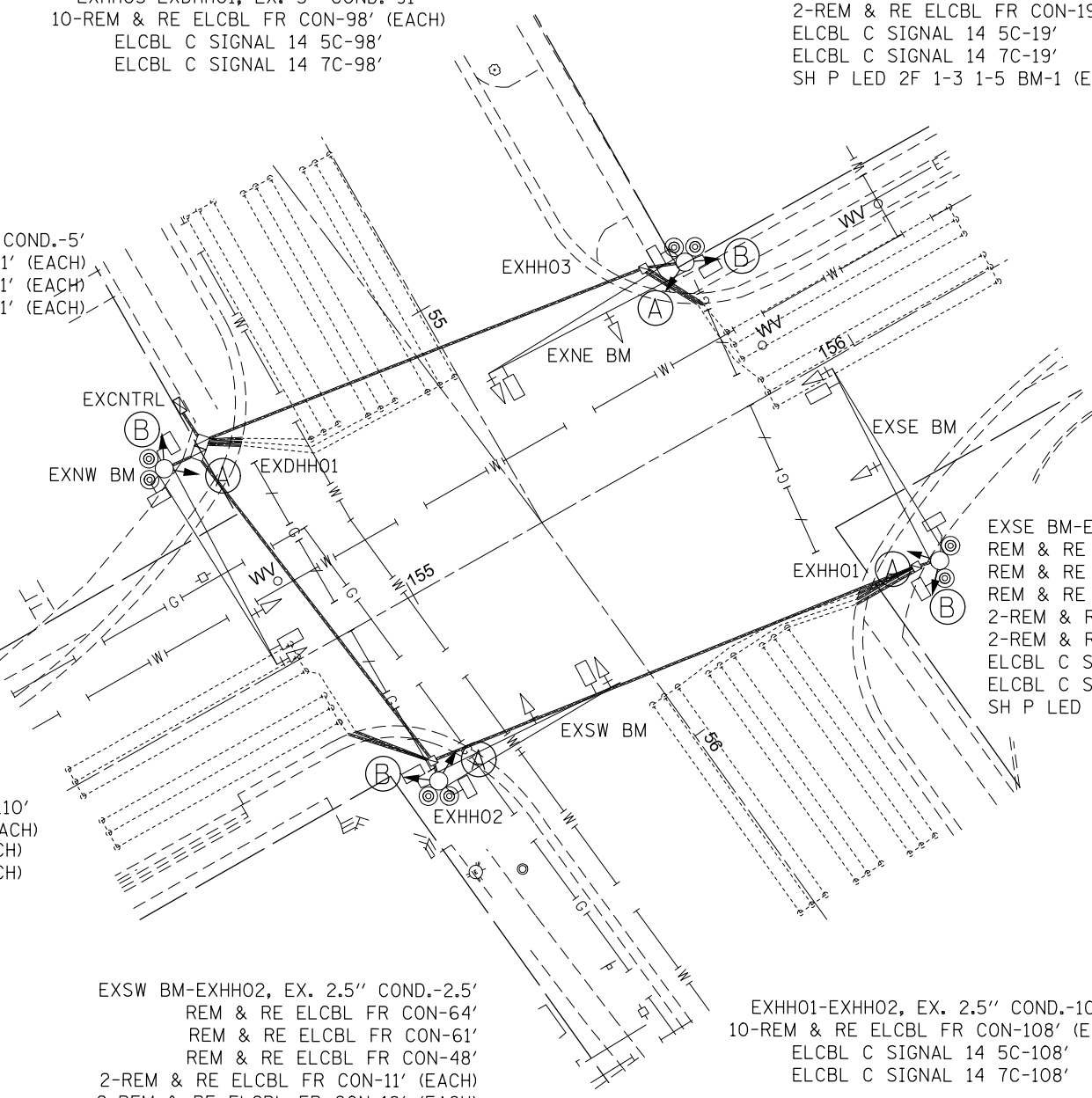
EXHH03-EXDHH01, EX. 3" COND.-91'
 10-REM & RE ELCBL FR CON-98' (EACH)
 ELCBL C SIGNAL 14 5C-98'
 ELCBL C SIGNAL 14 7C-98'

EXNE BM-EXHH03, EX. 2.5" COND.-6'
 REM & RE ELCBL FR CON-70'
 REM & RE ELCBL FR CON-67'
 REM & RE ELCBL FR CON-44'
 2-REM & RE ELCBL FR CON-12' (EACH)
 2-REM & RE ELCBL FR CON-19' (EACH)
 ELCBL C SIGNAL 14 5C-19'
 ELCBL C SIGNAL 14 7C-19'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXSE BM-EXHH01, EX. 2.5" COND.-2.5'
 REM & RE ELCBL FR CON-69'
 REM & RE ELCBL FR CON-66'
 REM & RE ELCBL FR CON-48'
 2-REM & RE ELCBL FR CON-11' (EACH)
 2-REM & RE ELCBL FR CON-18' (EACH)
 ELCBL C SIGNAL 14 5C-18'
 ELCBL C SIGNAL 14 7C-18'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXSW BM-EXHH02, EX. 2.5" COND.-2.5'
 REM & RE ELCBL FR CON-64'
 REM & RE ELCBL FR CON-61'
 REM & RE ELCBL FR CON-48'
 2-REM & RE ELCBL FR CON-11' (EACH)
 2-REM & RE ELCBL FR CON-18' (EACH)
 ELCBL C SIGNAL 14 5C-18'
 ELCBL C SIGNAL 14 7C-18'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH01-EXHH02, EX. 2.5" COND.-101'
 10-REM & RE ELCBL FR CON-108' (EACH)
 ELCBL C SIGNAL 14 5C-108'
 ELCBL C SIGNAL 14 7C-108'



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	PLOT DATE = 3/18/2016	DATE -	REVISED -

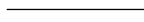

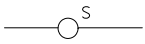


STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

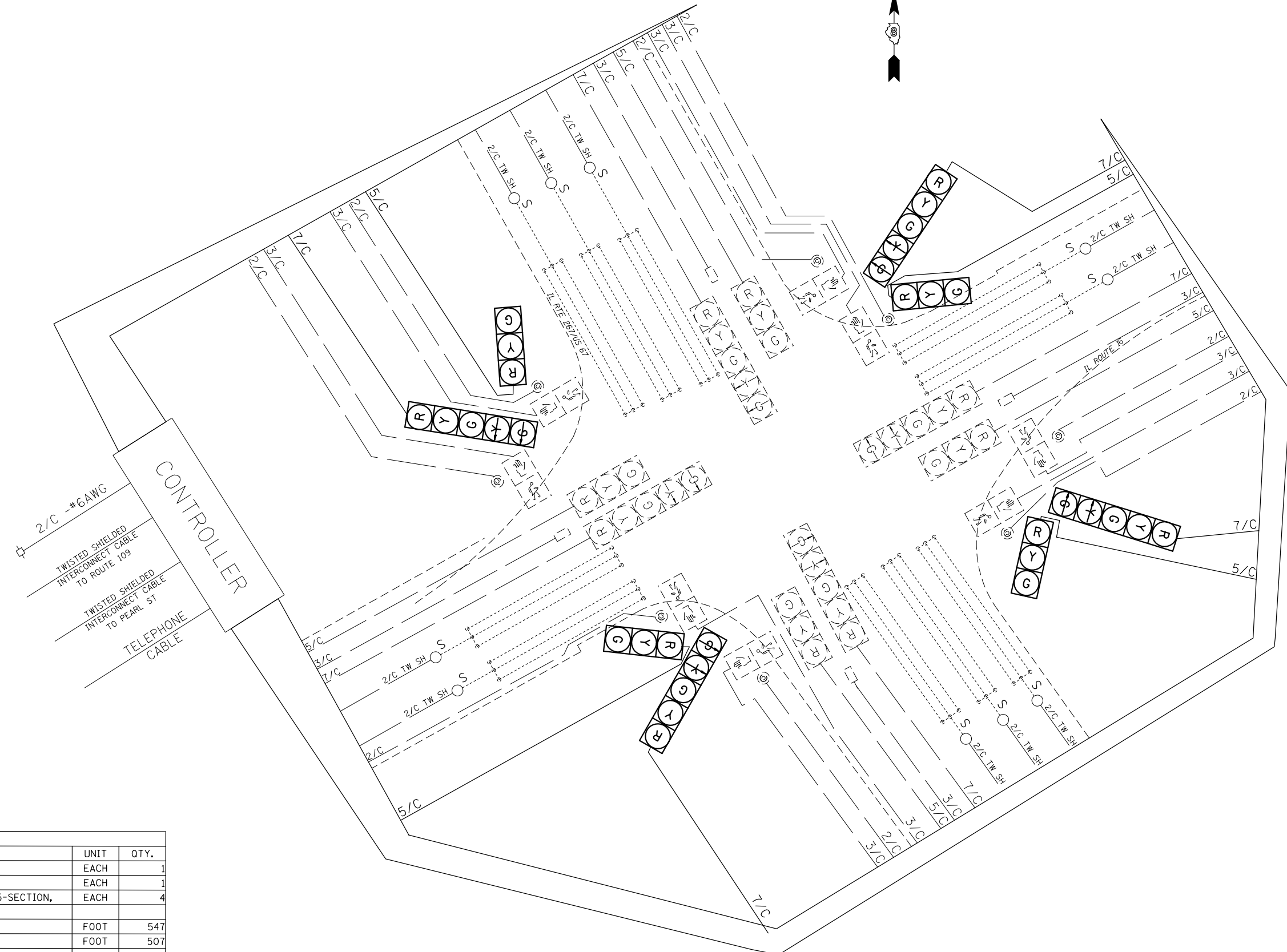
IL 16 & US 67 (JERSEVILLE, JERSEY CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	12
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION
-  EXISTING LEFT TURN YIELD light sign



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	547
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	507
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5422

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

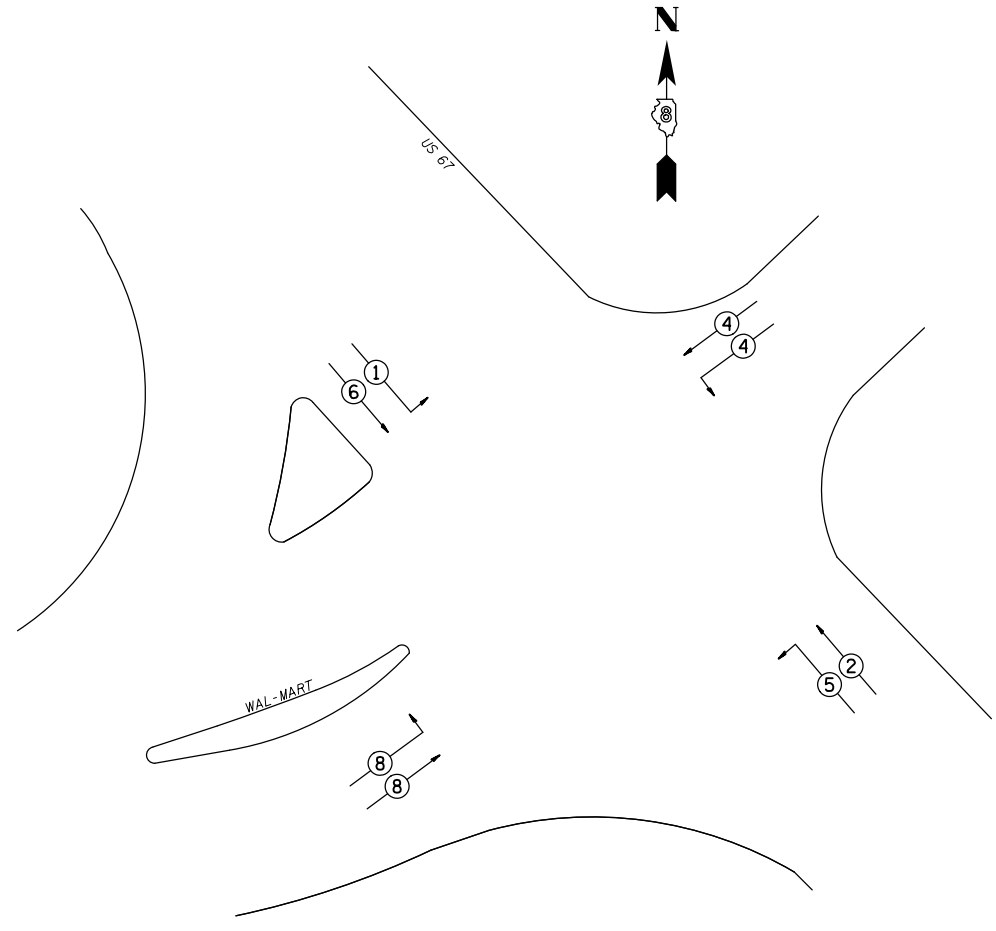


EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT			NOT USED				NOT USED	
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

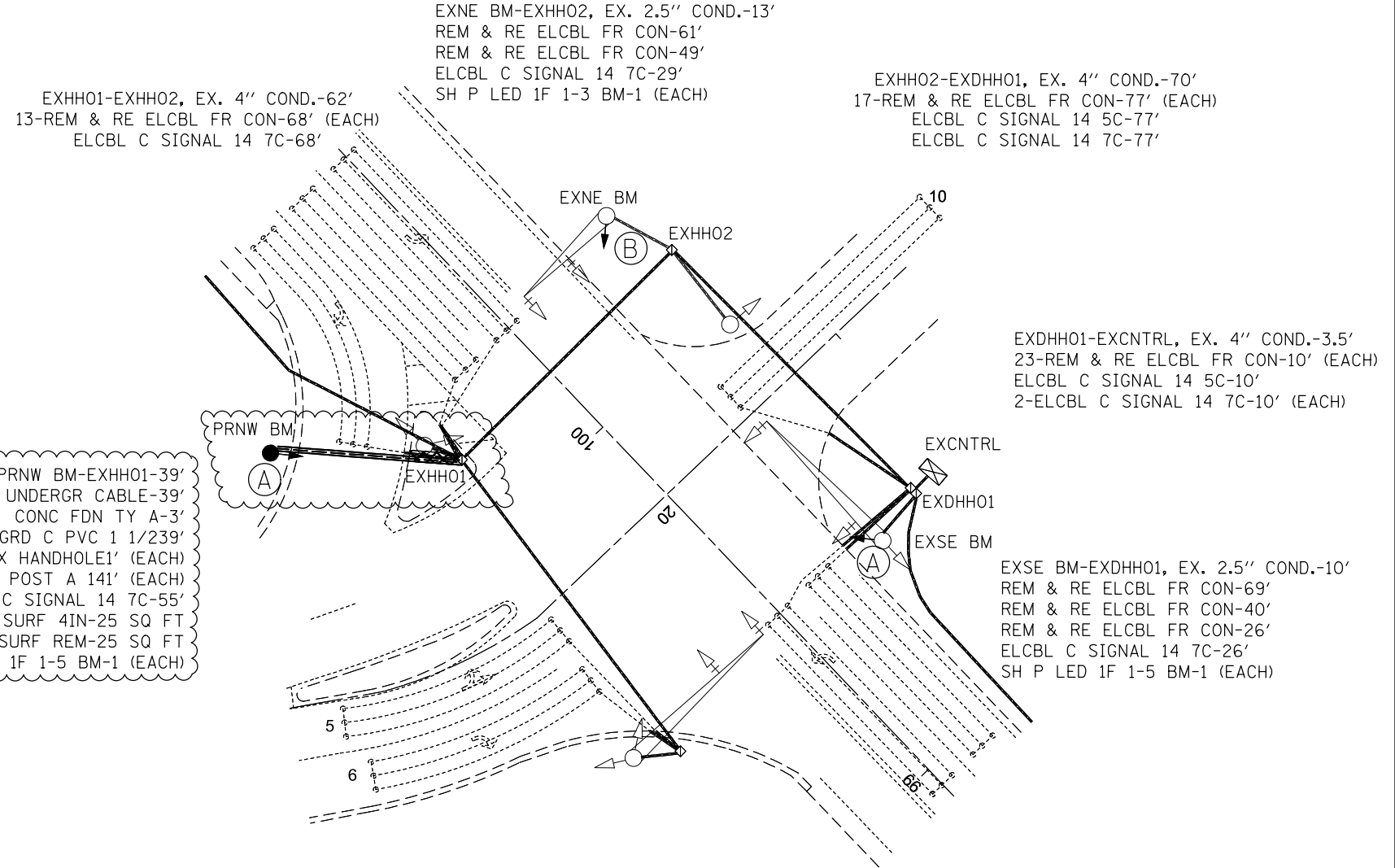
PHASES 4 AND 8 SHALL BE TIME CONCURRENTLY
CONTROLLER SHALL BE COMPATIBLE WITH EXISTING "EAGLE" SIGNAL INTERCONNECT SYSTEM.

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

PRNW BM-EXHH01-39'
LOCATE UNDERGR CABLE-39'
CONC FDN TY A-3'
UNDRGRD C PVC 1 1/239'
DRILL EX HANDHOLE1' (EACH)
TS POST A 141' (EACH)
ELCBL C SIGNAL 14 7C-55'
CONC MEDIAN SURF 4IN-25 SQ FT
CONC MEDIAN SURF REM-25 SQ FT
SH P LED 1F 1-5 BM-1 (EACH)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 67 & WAL MART ENT (JERSEVILLE, JERSEY CNTY.)
TRAFFIC SIGNAL PLAN

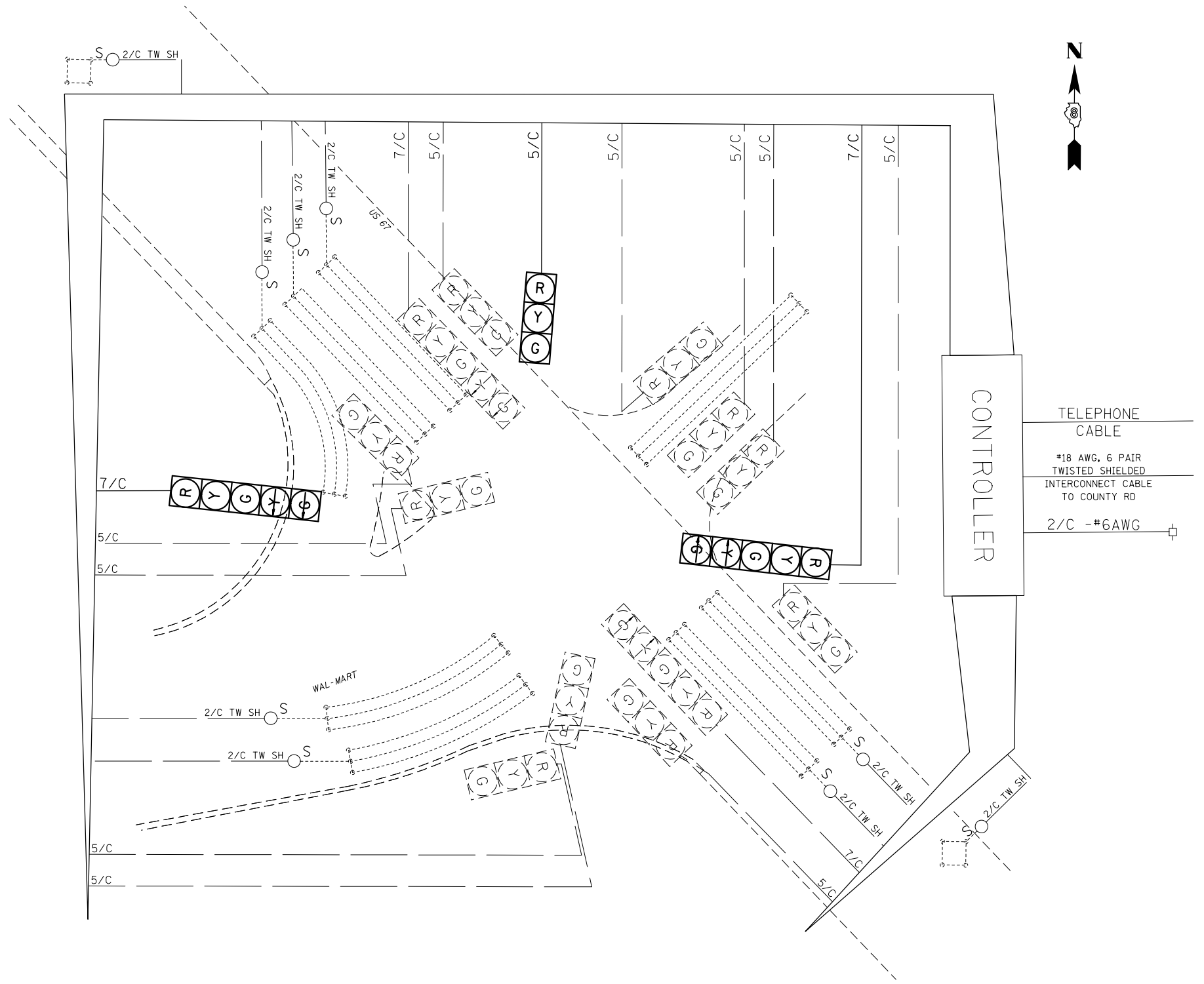
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	14
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
0618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	25
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	39
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	39
87501245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	87
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	275
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2668
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	25

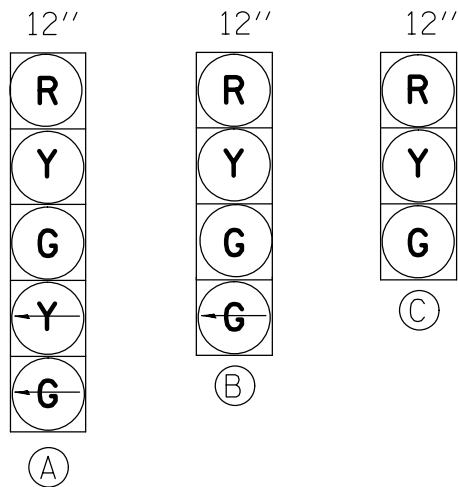
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 67 & WAL MART ENT (JERSEYVILLE, JERSEY CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



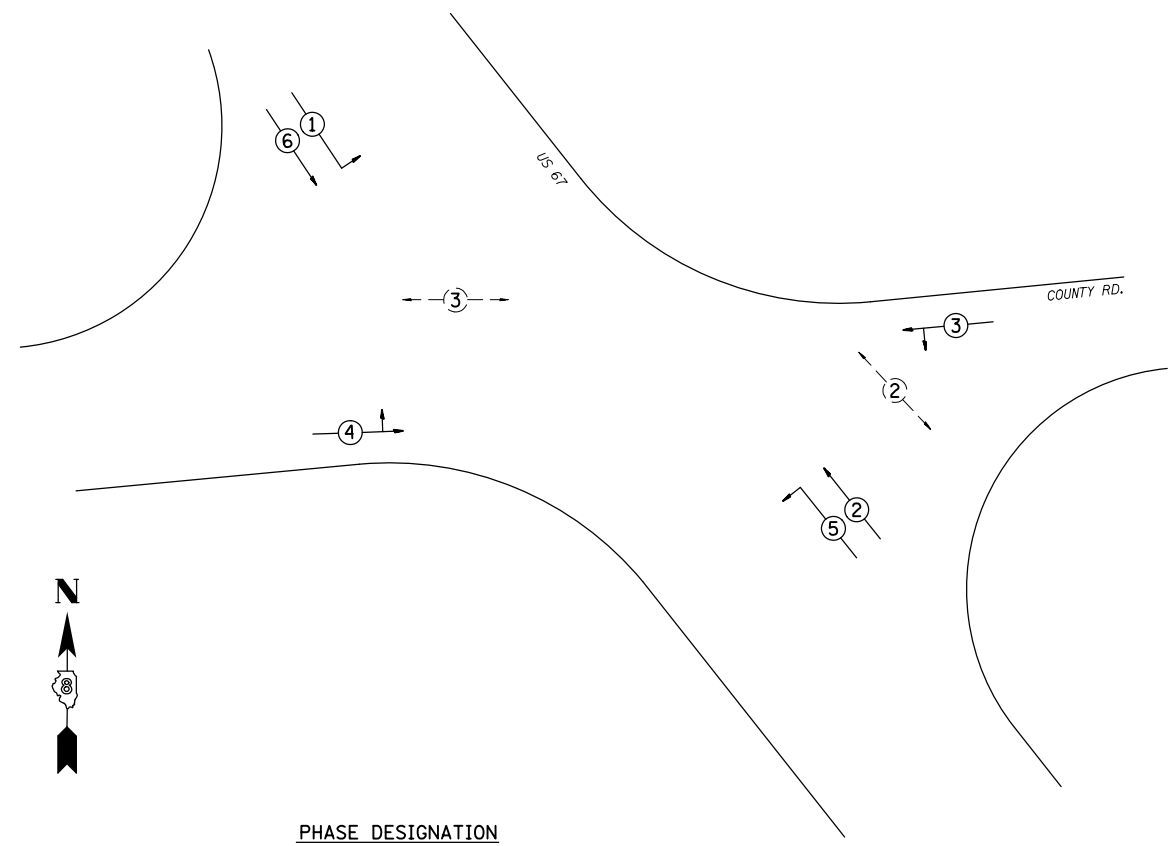
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH03, EX. 2" COND.-13.5'
 REM & RE ELCBL FR CON-66'
 REM & RE ELCBL FR CON-56'
 REM & RE ELCBL FR CON-22'
 REM & RE ELCBL FR CON-29'
 ELCBL C SIGNAL 14 5C-29'
 ELCBL C SIGNAL 14 7C-29'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH03-EXDHH01, EX. 3" COND.-96.5'
 10-REM & RE ELCBL FR CON-103' (EACH)
 ELCBL C SIGNAL 14 5C-103'
 ELCBL C SIGNAL 14 7C-103'

EXNE BM-EXDHH01, EX. 2" COND.-3'
 REM & RE ELCBL FR CON-55'
 REM & RE ELCBL FR CON-40'
 2-REM & RE ELCBL FR CON-12' (EACH)
 3-REM & RE ELCBL FR CON-19' (EACH)
 ELCBL C SIGNAL 14 7C-19'
 SH P LED 1F 1-4 BM-1 (EACH)

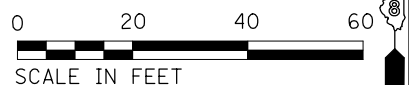
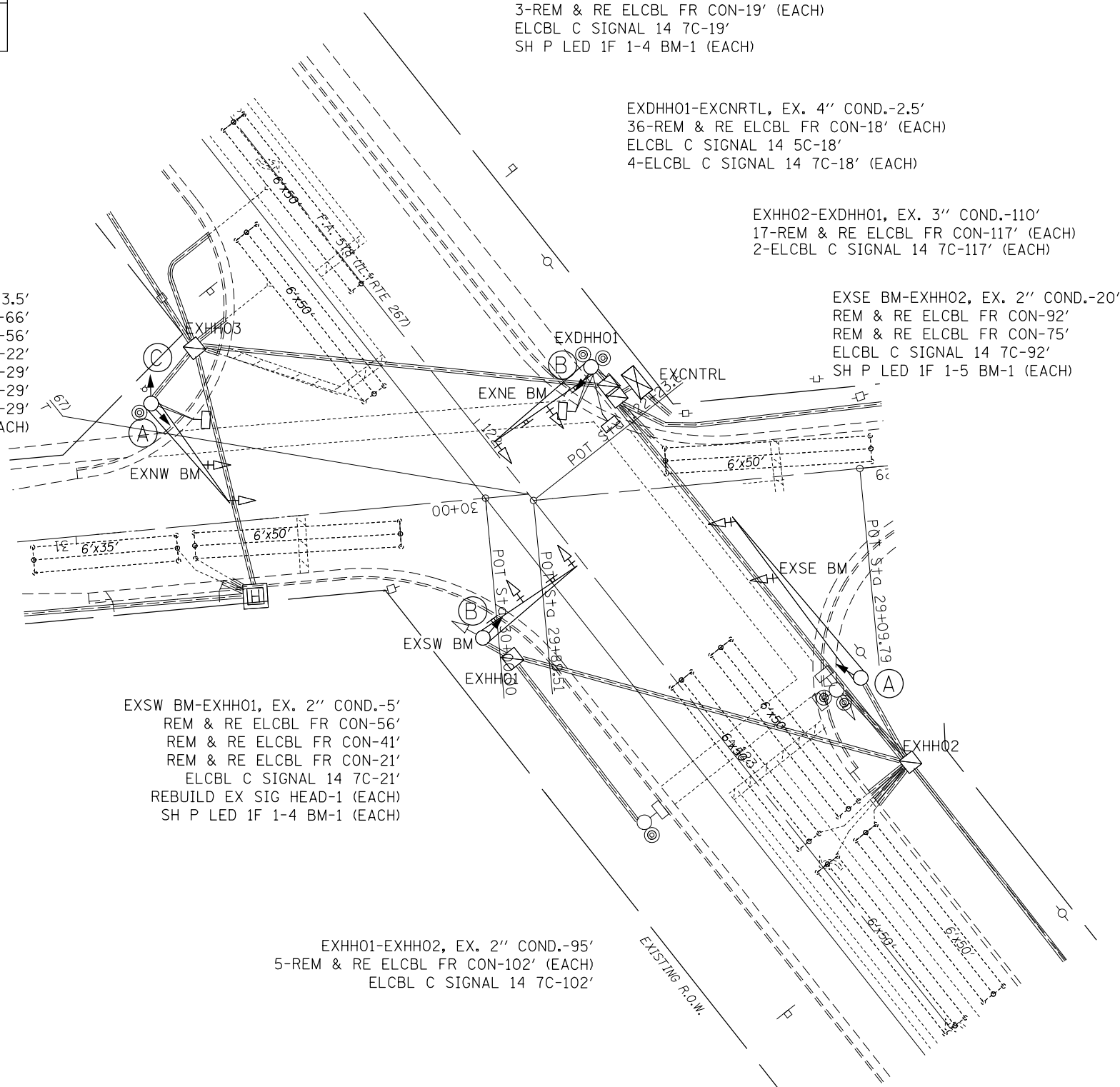
EXDHH01-EXCNRTL, EX. 4" COND.-2.5'
 36-REM & RE ELCBL FR CON-18' (EACH)
 ELCBL C SIGNAL 14 5C-18'
 4-ELCBL C SIGNAL 14 7C-18' (EACH)

EXHH02-EXDHH01, EX. 3" COND.-110'
 17-REM & RE ELCBL FR CON-117' (EACH)
 2-ELCBL C SIGNAL 14 7C-117' (EACH)

EXSE BM-EXHH02, EX. 2" COND.-20'
 REM & RE ELCBL FR CON-92'
 REM & RE ELCBL FR CON-75'
 ELCBL C SIGNAL 14 7C-92'
 SH P LED 1F 1-5 BM-1 (EACH)

EXSW BM-EXHH01, EX. 2" COND.-5'
 REM & RE ELCBL FR CON-56'
 REM & RE ELCBL FR CON-41'
 REM & RE ELCBL FR CON-21'
 ELCBL C SIGNAL 14 7C-21'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-4 BM-1 (EACH)

EXHH01-EXHH02, EX. 2" COND.-95'
 5-REM & RE ELCBL FR CON-102' (EACH)
 ELCBL C SIGNAL 14 7C-102'





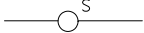
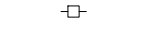
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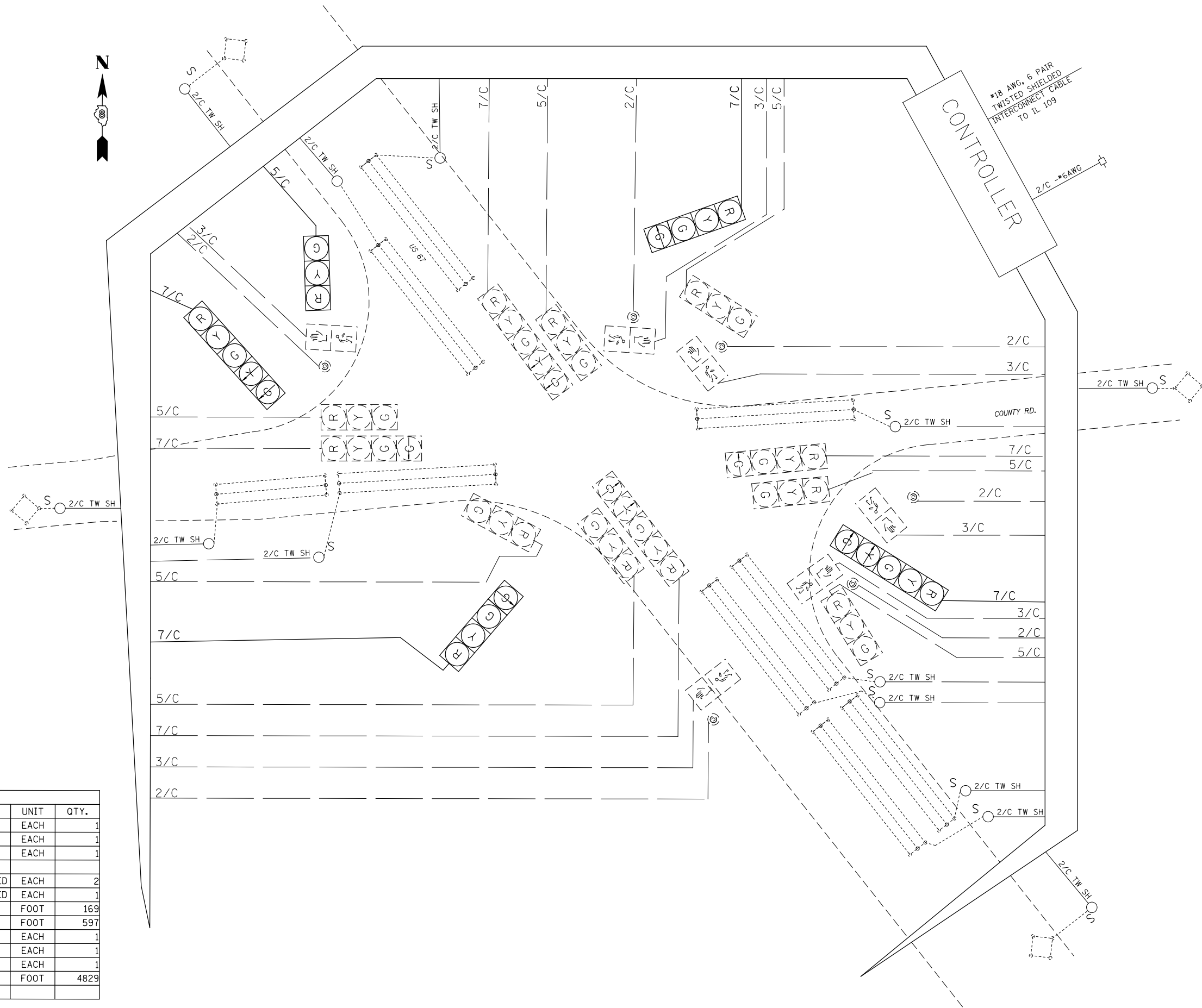
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 67 & COUNTY (JERSEVILLE, JERSEY CNTY.)			
TRAFFIC SIGNAL PLAN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	16
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
7010264	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	169
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	597
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4829

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		DATE -	REVISED -

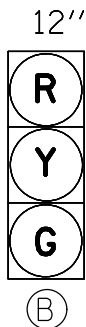
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 67 & COUNTY (JERSEVILLE, JERSEY CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	17
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



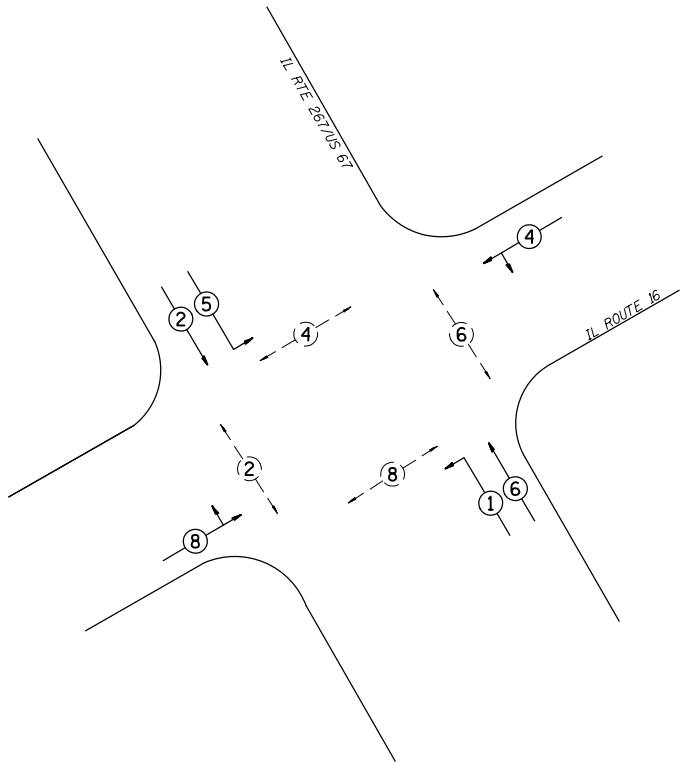
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT			NOT USED				NOT USED	
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH01, EX. 2" COND.-1'
 REM & RE ELCBL FR CON-55'
 REM & RE ELCBL FR CON-15'
 2-REM & RE ELCBL FR CON-10' (EACH)
 2-REM & RE ELCBL FR CON-15' (EACH)
 ELCBL C SIGNAL 14 5C-55'
 ELCBL C SIGNAL 14 7C-15'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

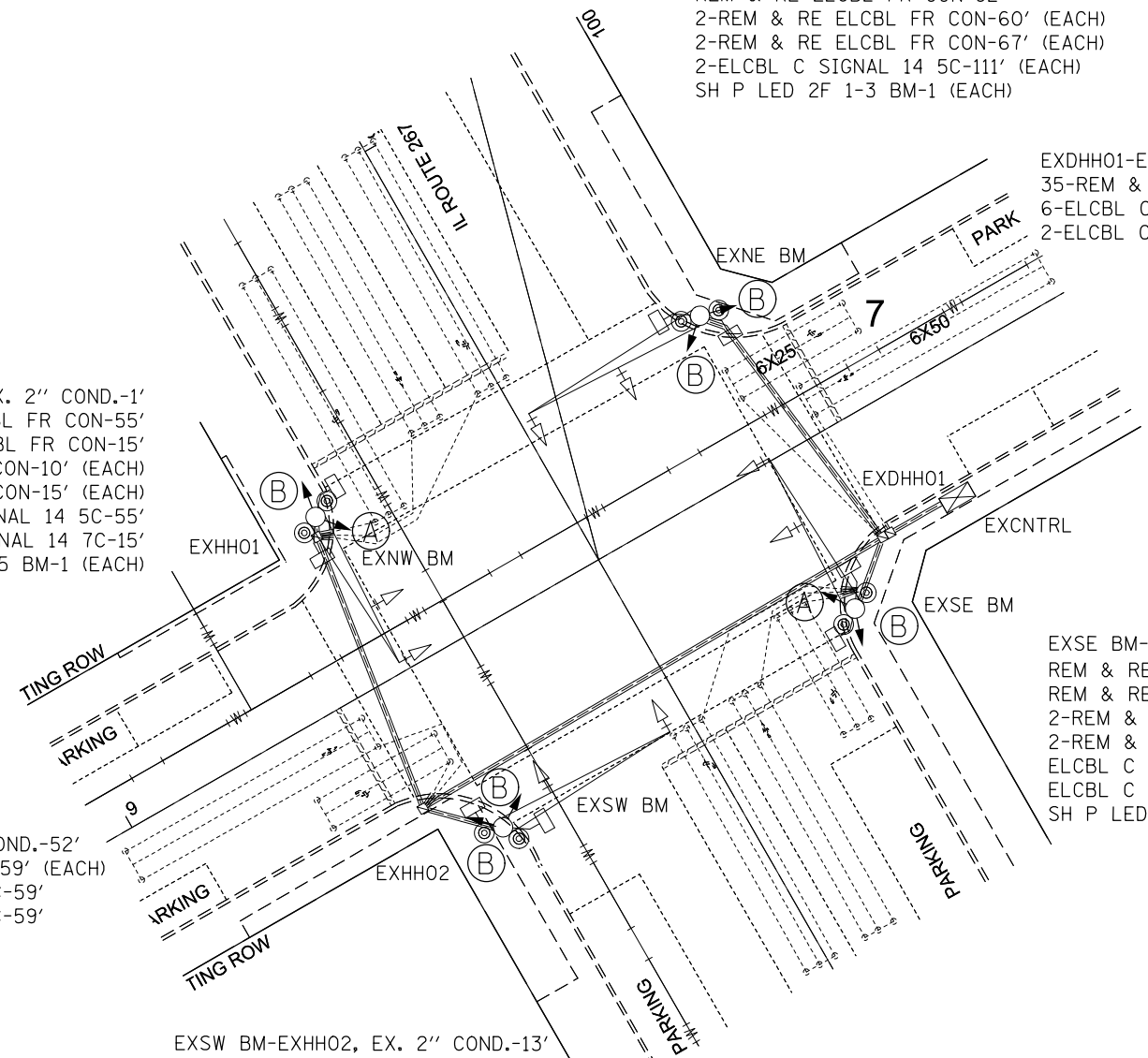
EXHH01-EXHH02, EX. 2" COND.-52'
 9-REM & RE ELCBL FR CON-59' (EACH)
 ELCBL C SIGNAL 14 5C-59'
 ELCBL C SIGNAL 14 7C-59'

EXSW BM-EXHH02, EX. 2" COND.-13'
 REM & RE ELCBL FR CON-71'
 REM & RE ELCBL FR CON-47'
 2-REM & RE ELCBL FR CON-22' (EACH)
 2-REM & RE ELCBL FR CON-29' (EACH)
 2-ELCBL C SIGNAL 14 5C-29' (EACH)
 SH P LED 2F 1-3 BM-1 (EACH)

EXNE BM-EXDHH01, EX. 2" COND.-51'
 REM & RE ELCBL FR CON-111'
 REM & RE ELCBL FR CON-92'
 2-REM & RE ELCBL FR CON-60' (EACH)
 2-REM & RE ELCBL FR CON-67' (EACH)
 2-ELCBL C SIGNAL 14 5C-111' (EACH)
 SH P LED 2F 1-3 BM-1 (EACH)

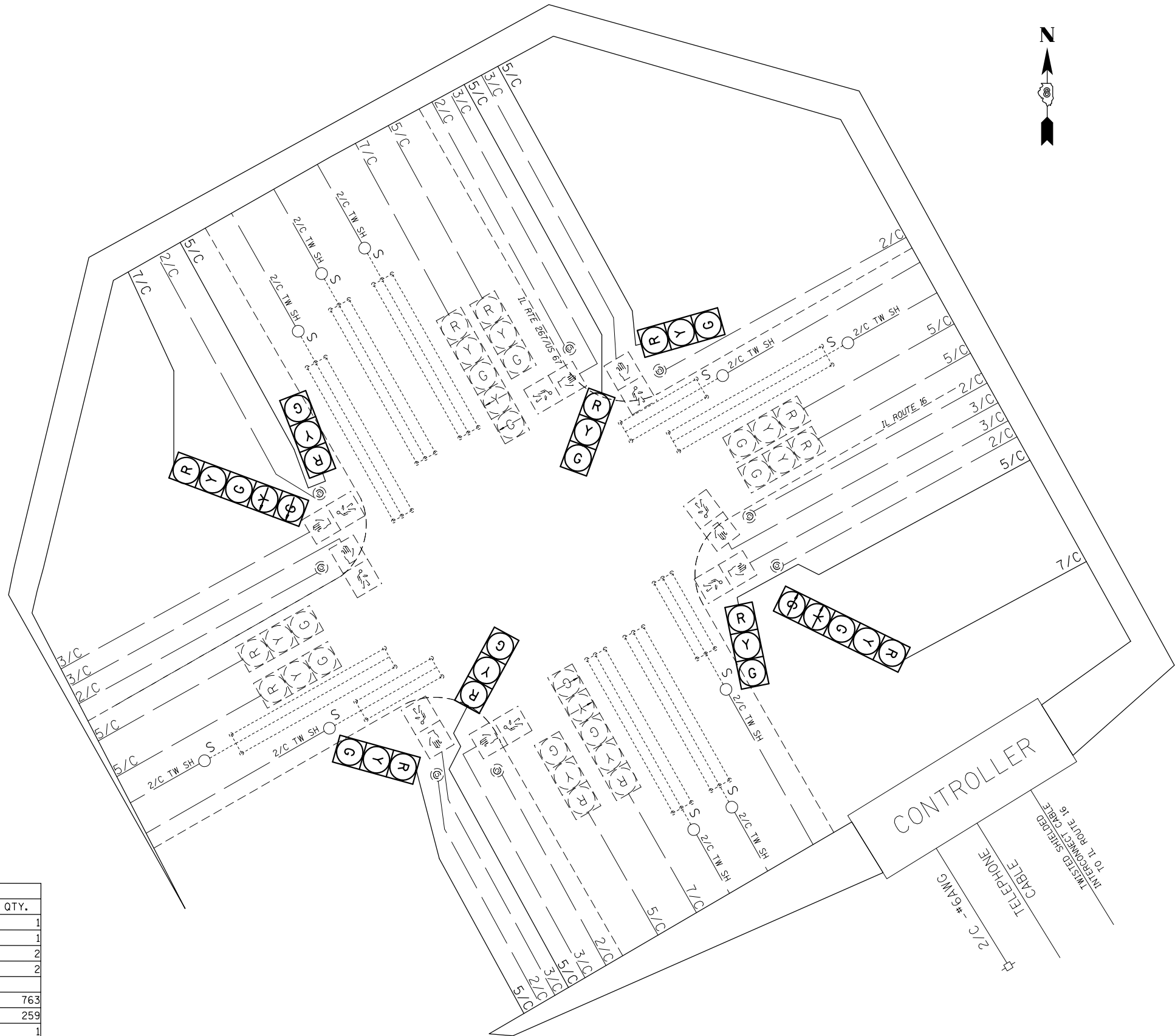
EXDHH01-EXCNRTL, EX. 4" COND.-10'
 35-REM & RE ELCBL FR CON-26' (EACH)
 6-ELCBL C SIGNAL 14 5C-26' (EACH)
 2-ELCBL C SIGNAL 14 7C-26' (EACH)

EXSE BM-EXDHH01, EX. 2" COND.-11'
 REM & RE ELCBL FR CON-64'
 REM & RE ELCBL FR CON-50'
 2-REM & RE ELCBL FR CON-17' (EACH)
 2-REM & RE ELCBL FR CON-24' (EACH)
 ELCBL C SIGNAL 14 5C-24'
 ELCBL C SIGNAL 14 7C-24'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	763
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	259
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4252

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		DATE -	REVISED -

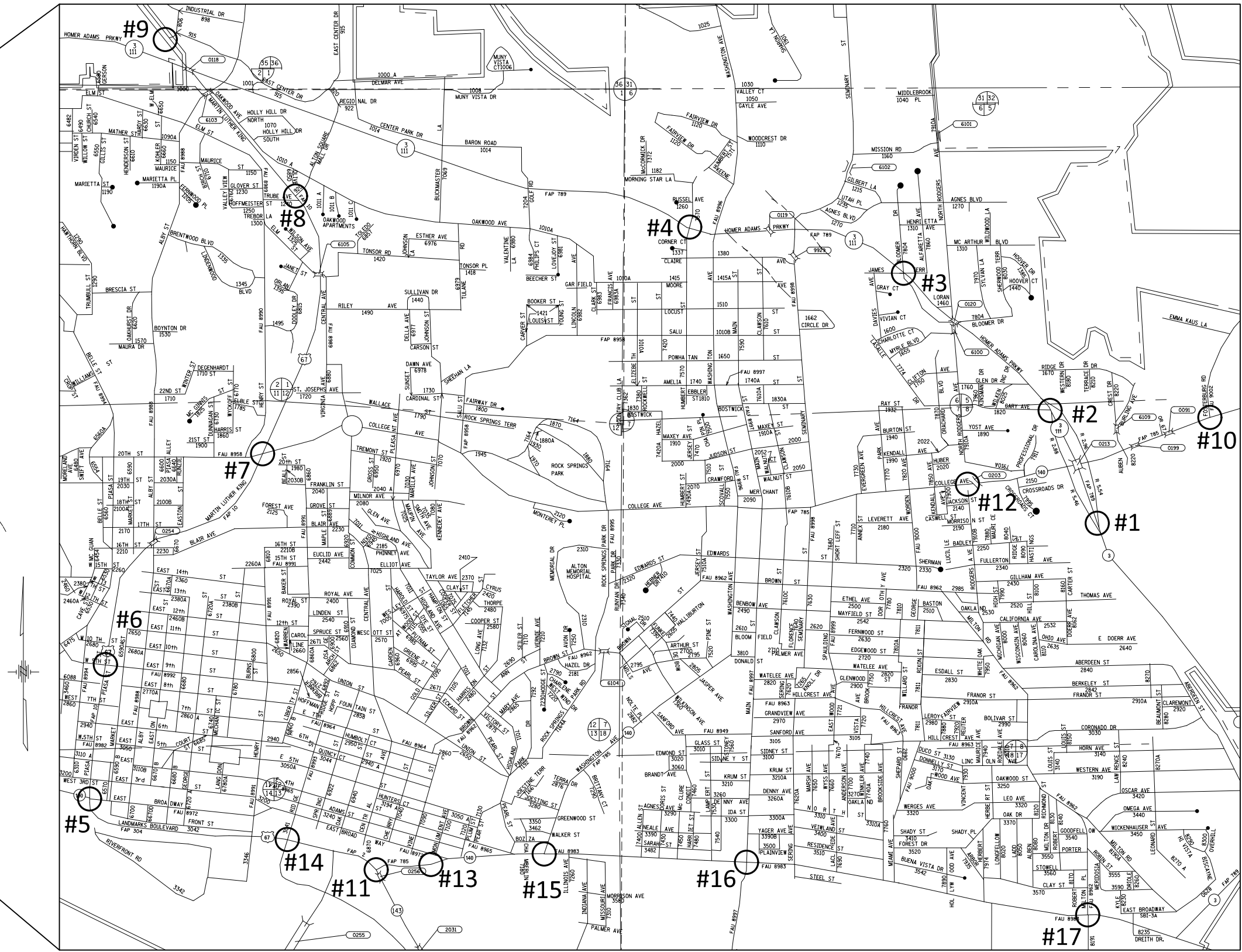
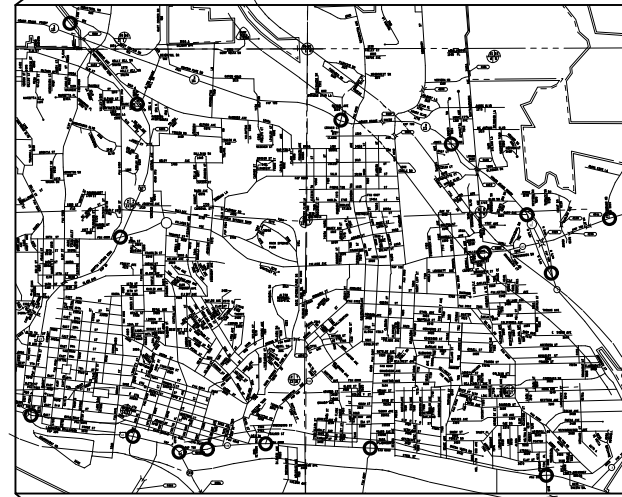
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 67 & PEARL (JERSEYVILLE, JERSEY CNTY.)
WIRING DIAGRAM**

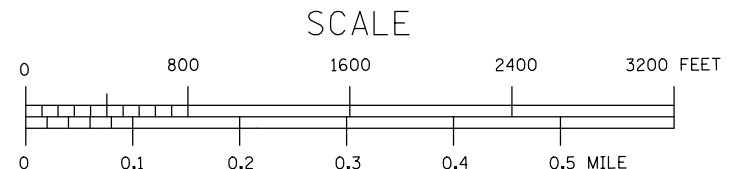
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	19
*VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- #1 IL 111/140 & IL RTE 3 RAMPS A&
- #2 IL 111/140 & IL RTE 3 RAMPS B&C
- #3 IL 3/111 & BLOOMER
- #4 IL 3/111 & HUMBERT/MORNING STAR
- #5 US 67 & IL 100
- #6 US 67 & 9TH
- #7 US 67 & COLLEGE
- #8 US 67 & ALTON SQ MALL
- #9 US 67 & NORTHPORT



- #10 IL 111/140 & FOSTERBURG
- #11 IL 140 & IL 143
- #12 IL 140 & RODGERS
- #13 IL 140 & MONUMENT
- #14 IL 143 & RIDGE
- #15 IL 140 & WASHINGTON
- #16 BROADWAY & MAIN
- #17 BROADWAY & MILTON/HULL



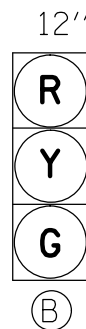
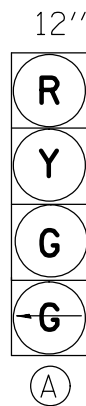
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION
MAP ALTON, MADISON CNTY.**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2016-2	•	126	20
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



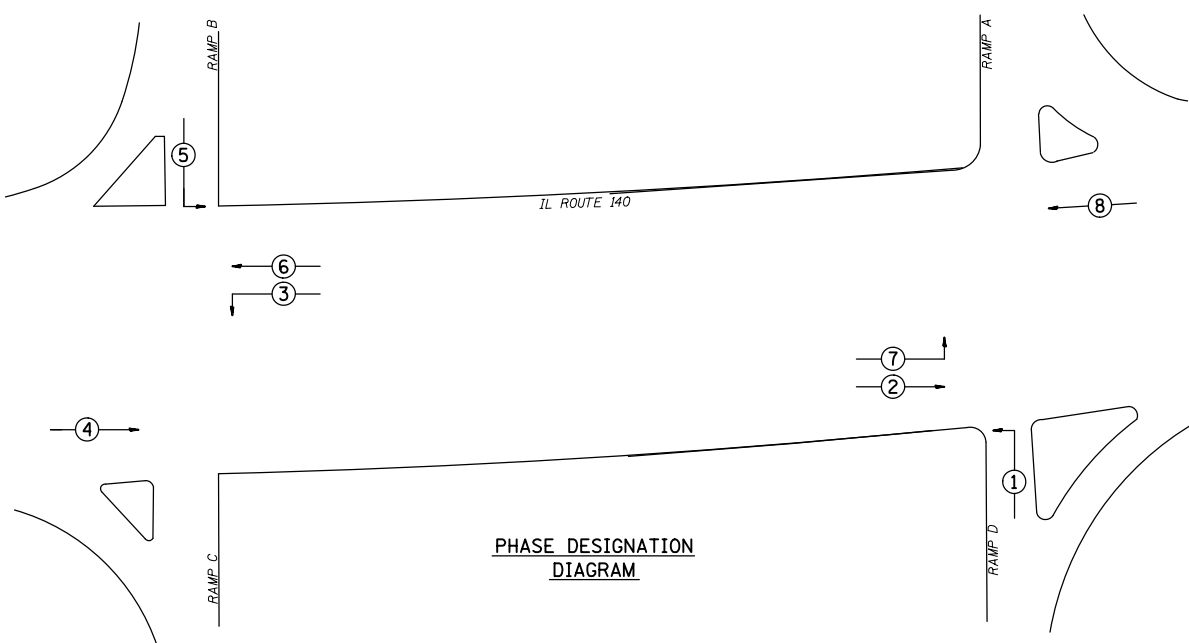
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2 O.L.A.	3	4	5	6 O.L.C.	7	8
MOVEMENT	↖	2+7+8	↙	→	⊥	3+4+6	↗	←
CONCURRENT MOVEMENT PERMITTED	NONE		NONE	6	NONE		NONE	2

* SEE SHEET NO. 2 of 2 for PHASE DESIGNATION DIAGRAM



PHASE DESIGNATION DIAGRAM

EXNW BM (BC)-EXHH03 (BC), EX. 2" COND.-38'
 REM & RE ELCBL FR CON-105'
 REM & RE ELCBL FR CON-95'
 ELCBL C SIGNAL 14 5C-54'
 SH P LED 1F 1-3 BM-1 (EACH)

EXHH03 (BC)-EXHH04 (BC), EX. 2.5" COND.-44.5'
 9-REM & RE ELCBL FR CON-60'(EACH)
 ELCBL C SIGNAL 14 5C-60'

EXHH04 (BC)-EXHH05 (BC), EX. 3" COND.-42'
 18-REM & RE ELCBL FR CON-49'(EACH)
 ELCBL C SIGNAL 14 5C-49'

EXHH05 (BC)-EXDHH01, EX. 5" COND.-120'
 32-REM & RE ELCBL FR CON-126'(EACH)
 ELCBL C SIGNAL 14 5C-126'
 ELCBL C SIGNAL 14 7C-126'

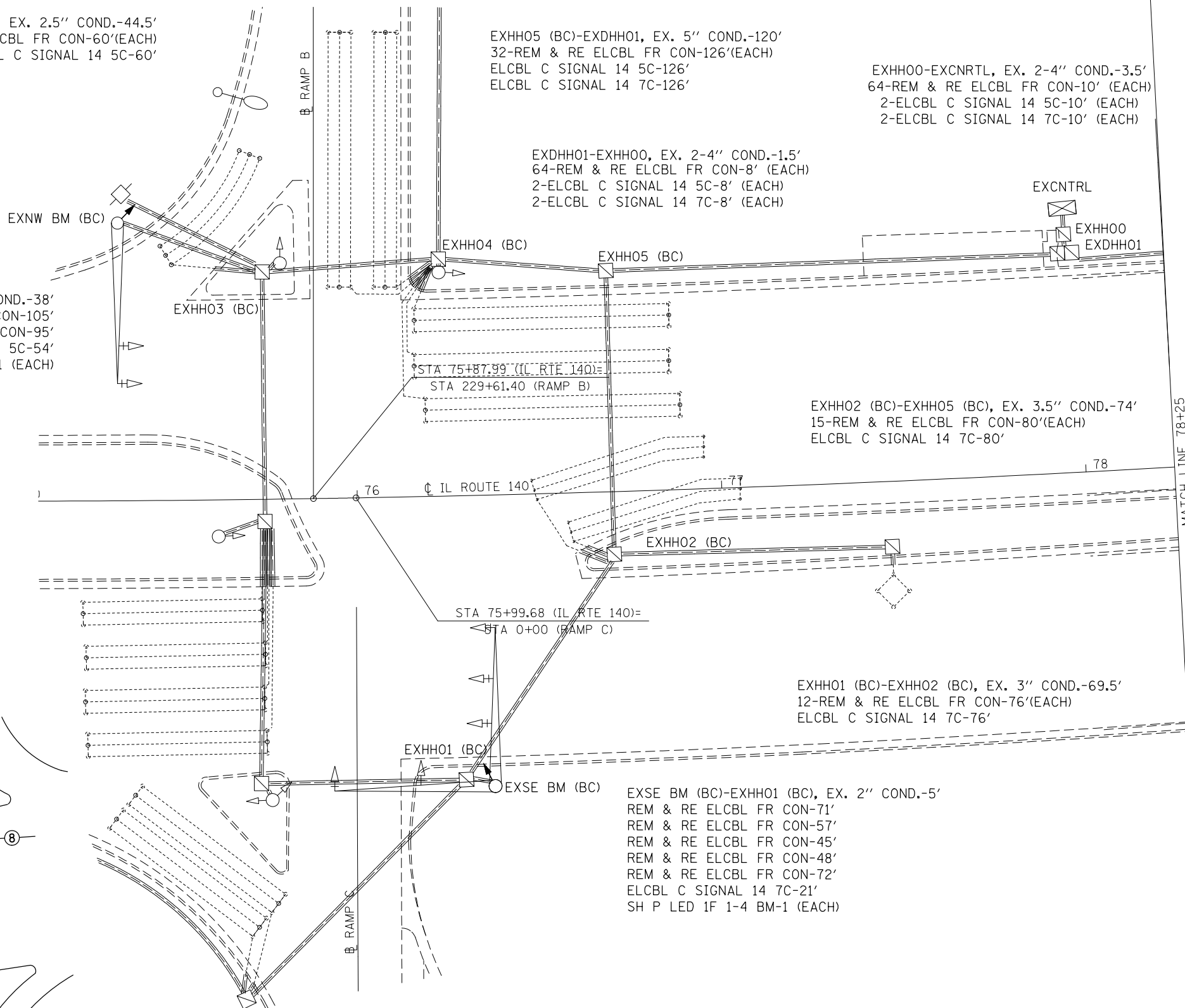
EXHH00-EXCNRTL, EX. 2-4" COND.-3.5'
 64-REM & RE ELCBL FR CON-10' (EACH)
 2-ELCBL C SIGNAL 14 5C-10' (EACH)
 2-ELCBL C SIGNAL 14 7C-10' (EACH)

EXDHH01-EXHH00, EX. 2-4" COND.-1.5'
 64-REM & RE ELCBL FR CON-8' (EACH)
 2-ELCBL C SIGNAL 14 5C-8' (EACH)
 2-ELCBL C SIGNAL 14 7C-8' (EACH)

EXHH02 (BC)-EXHH05 (BC), EX. 3.5" COND.-74'
 15-REM & RE ELCBL FR CON-80'(EACH)
 ELCBL C SIGNAL 14 7C-80'

EXHH01 (BC)-EXHH02 (BC), EX. 3" COND.-69.5'
 12-REM & RE ELCBL FR CON-76'(EACH)
 ELCBL C SIGNAL 14 7C-76'

EXSE BM (BC)-EXHH01 (BC), EX. 2" COND.-5'
 REM & RE ELCBL FR CON-71'
 REM & RE ELCBL FR CON-57'
 REM & RE ELCBL FR CON-45'
 REM & RE ELCBL FR CON-48'
 REM & RE ELCBL FR CON-72'
 ELCBL C SIGNAL 14 7C-21'
 SH P LED 1F 1-4 BM-1 (EACH)



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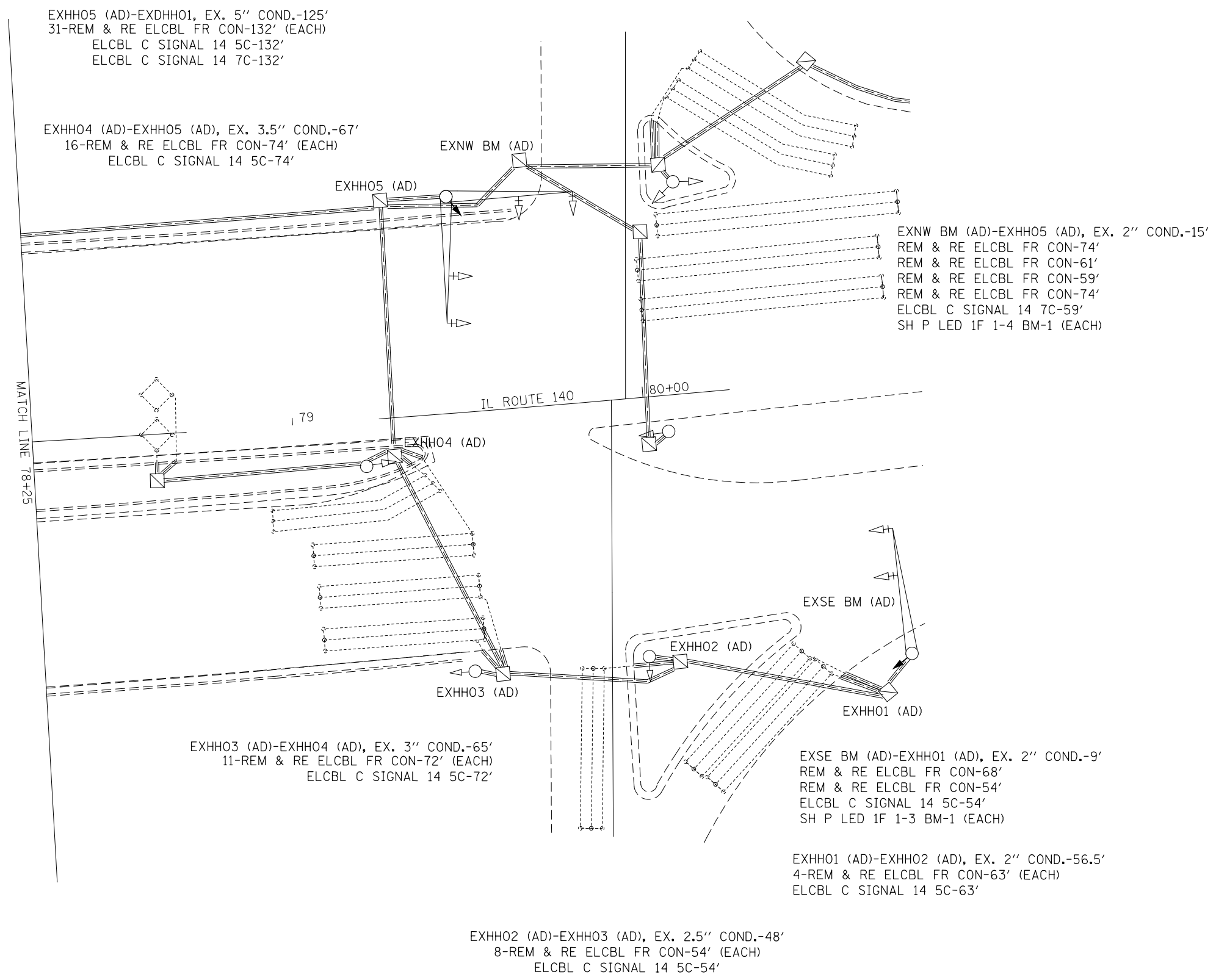
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

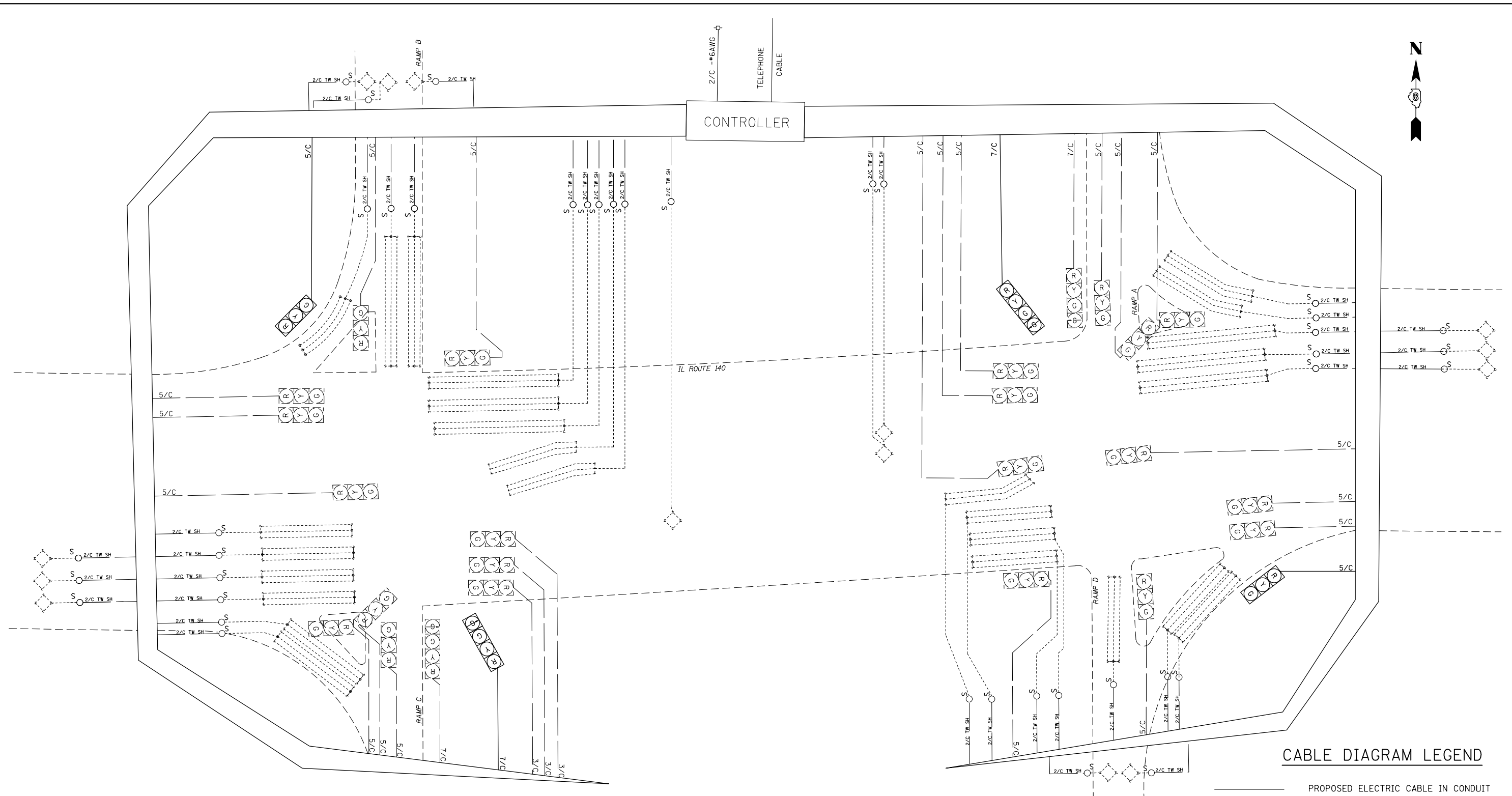
IL 111/140 & IL RTE 3 RAMP A-D (ALTON, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	21
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	774
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	530
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	16353





CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- EXISTING CABLE SPLICE
- 2/C** INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH** TWISTED AND SHIELDED CABLE
- #6** INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/18/2016	DATE -	REVISED -

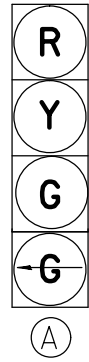
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 111/140 & IL RTE 3 RAMPS A-D (ALTON, MADISON CNTY.)
WIRING DIAGRAM**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	23
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

12"

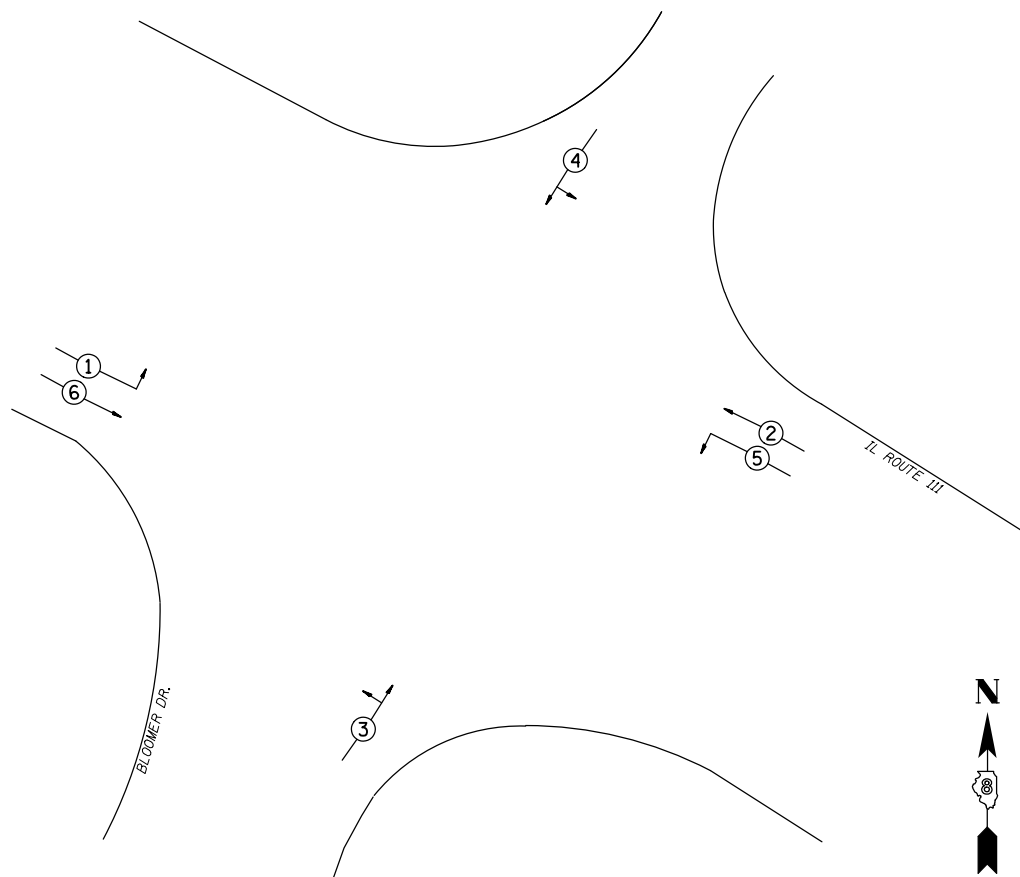


EXISTING FULL-ACTUATED CONTROLLER

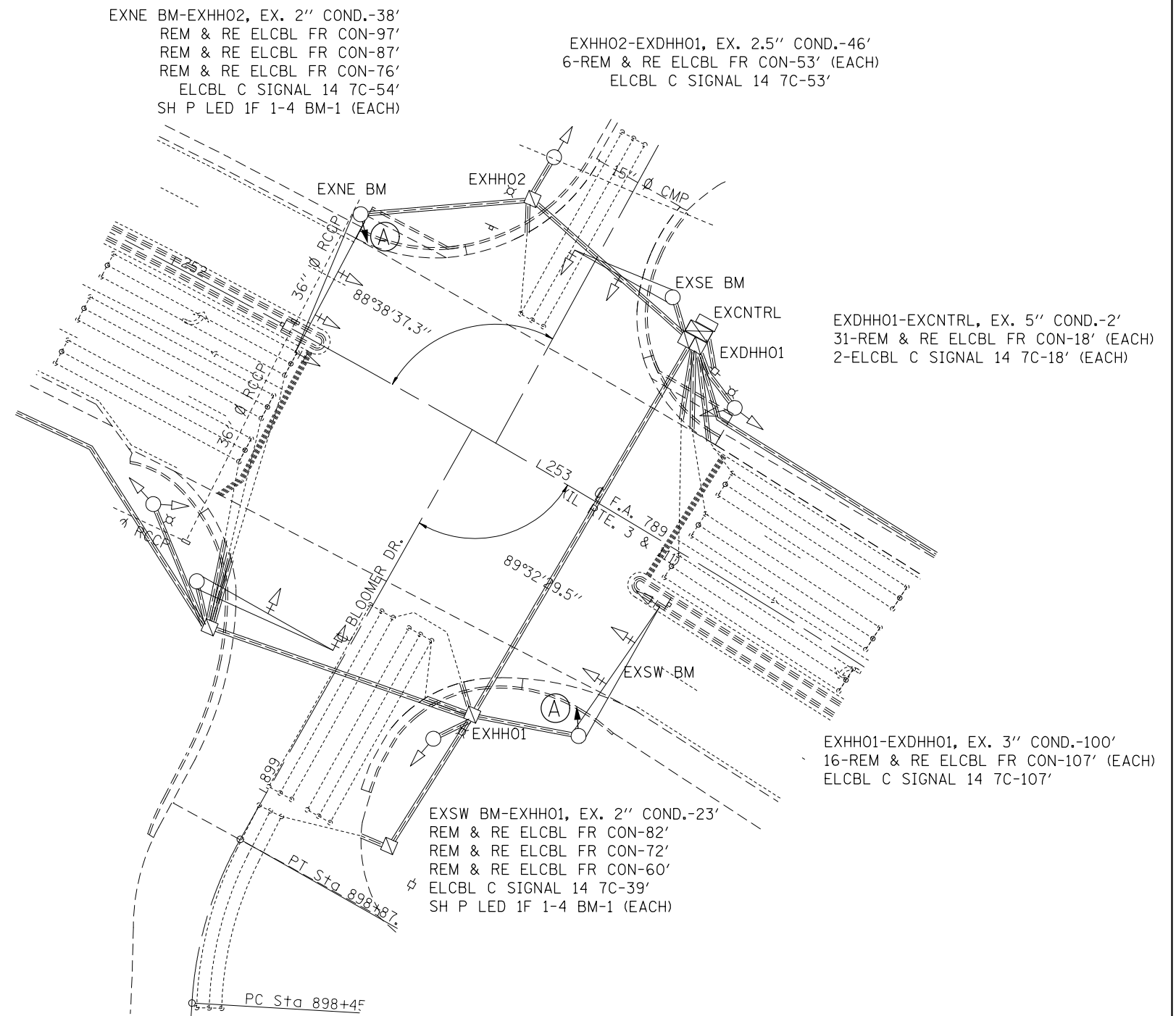
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↘	↙	↗	↖	↘	↙	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

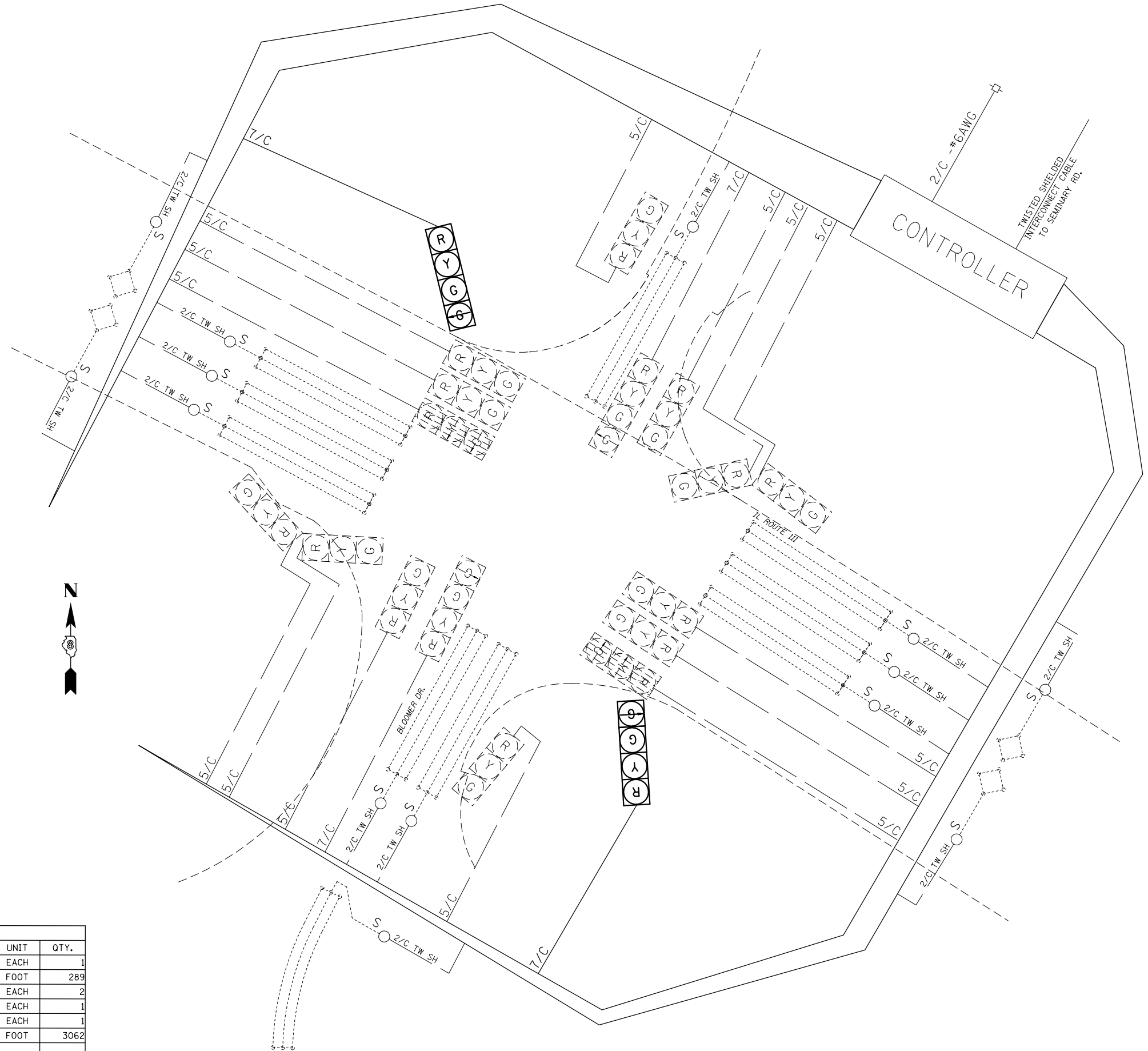
IL 3 / 111 & BLOOMER (ALTON, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	24
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	289
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3062

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 PLOT DATE = 3/18/2016

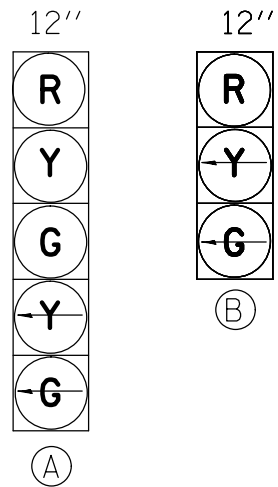
DESIGNED -
 REVISIONS:
 CHECKED -
 DATE -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 3 /111 & BLOOMER (ALTON, MADISON CNTY.)
 WIRING DIAGRAM
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	25
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

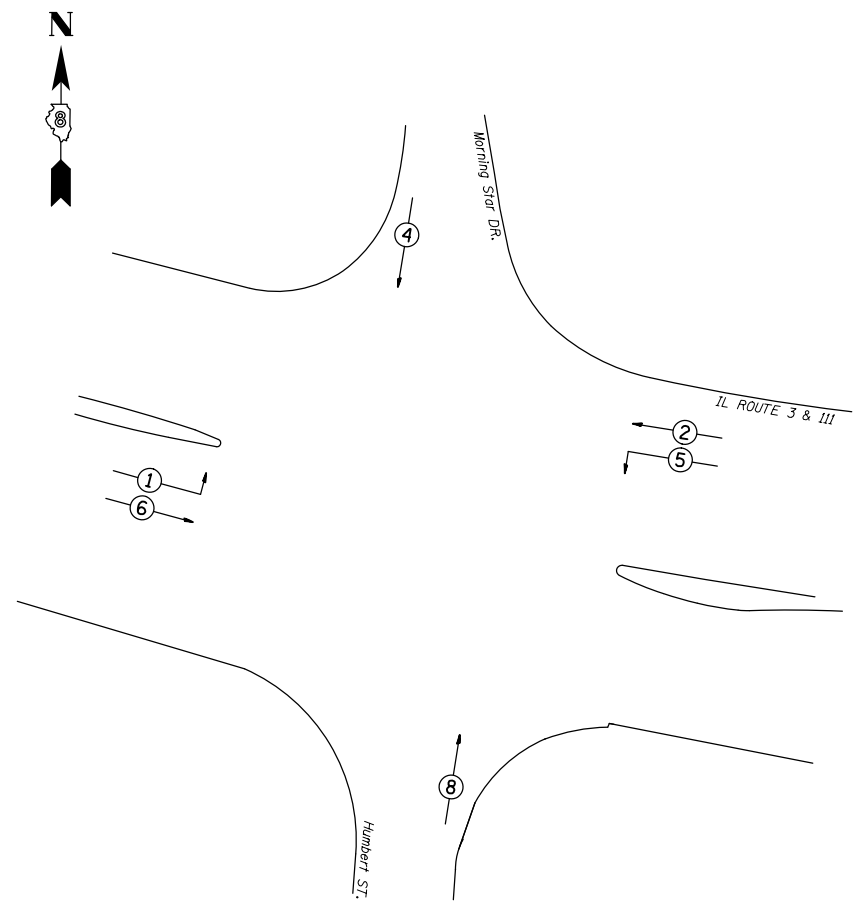


PROPOSED TRAFFIC SIGNAL FACES

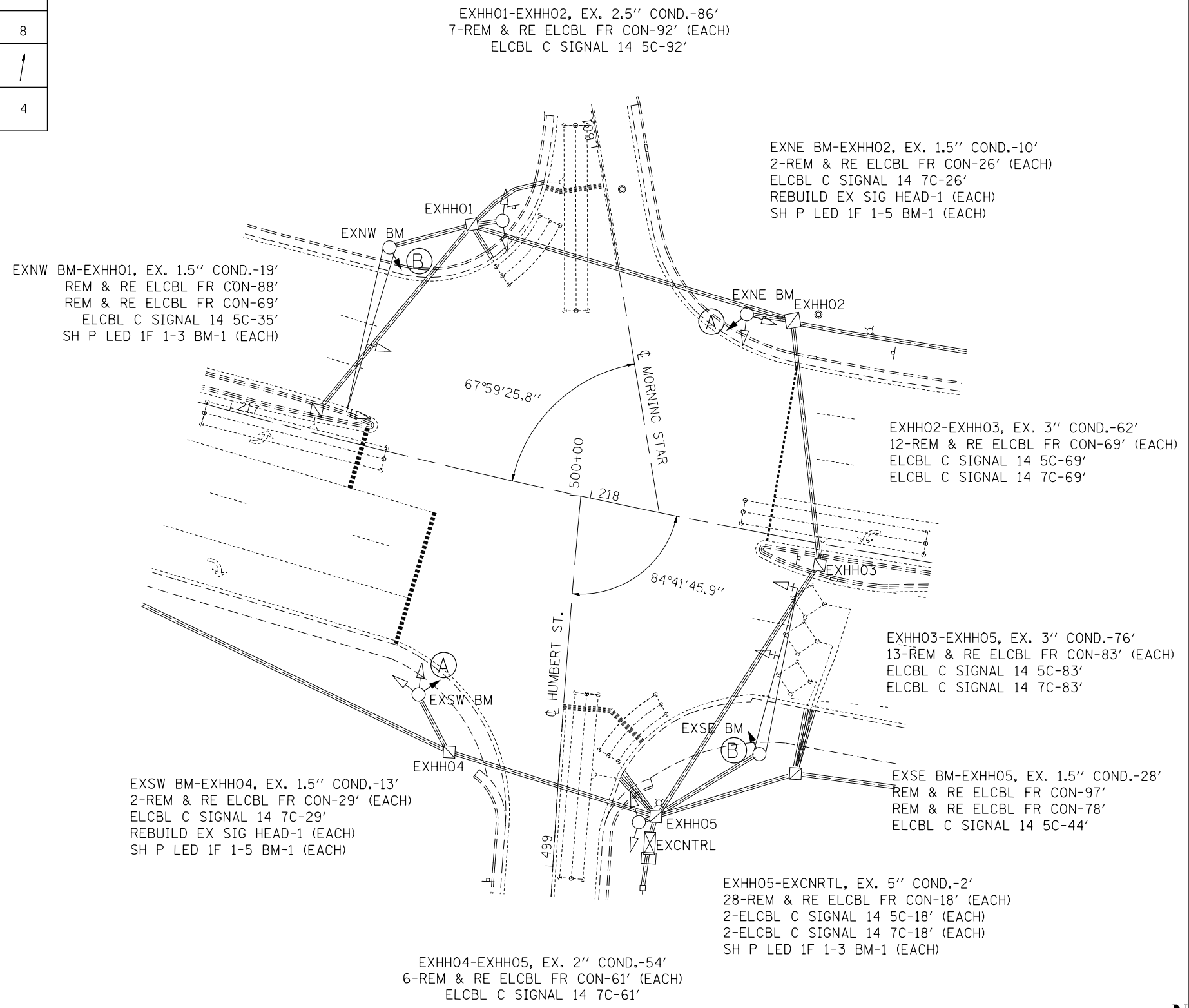
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

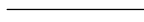

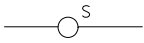
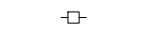
PHASE	1	2	3	4	5	6	7	8
MOVEMENT			NOT USED				NOT USED	
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

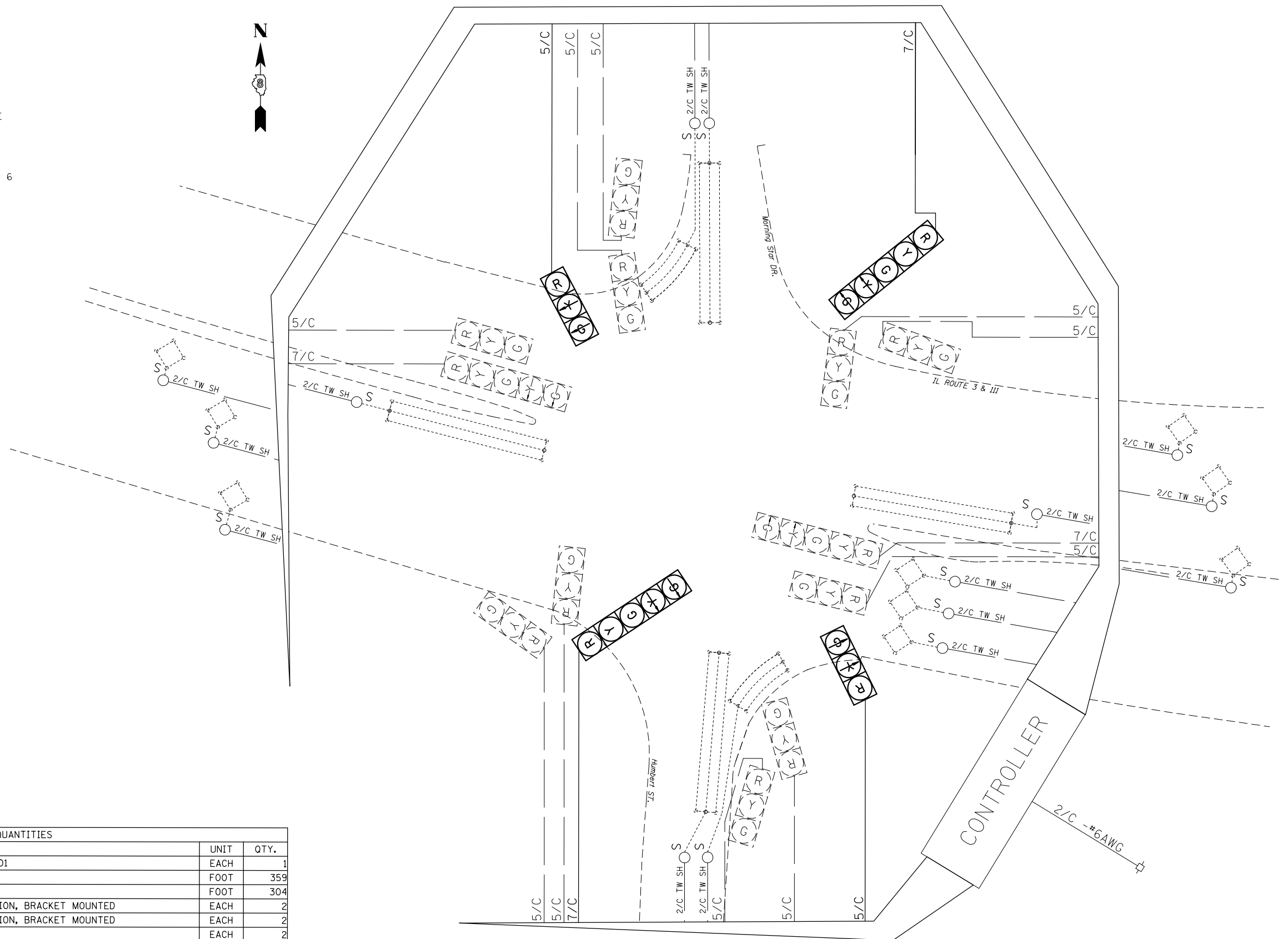


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	359
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	304
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3863

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	PLOT DATE = 3/18/2016	DATE -	REVISED -

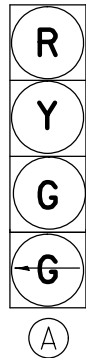
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 3 /111 & HUMBERT /MORNING STAR (ALTON, MADISON CNTY.)
WIRING DIAGRAM**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	27
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

12"

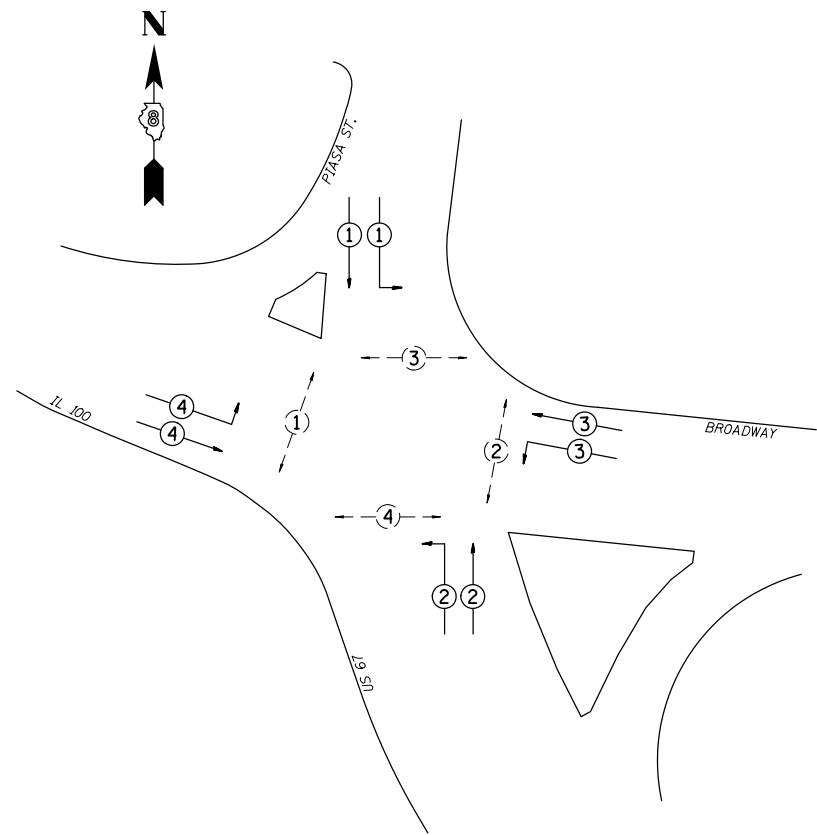


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	*↓↑	↑↑*	↑↓*	↓↑	NOT USED	NOT USED	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	NONE	NONE	NONE	NONE				

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

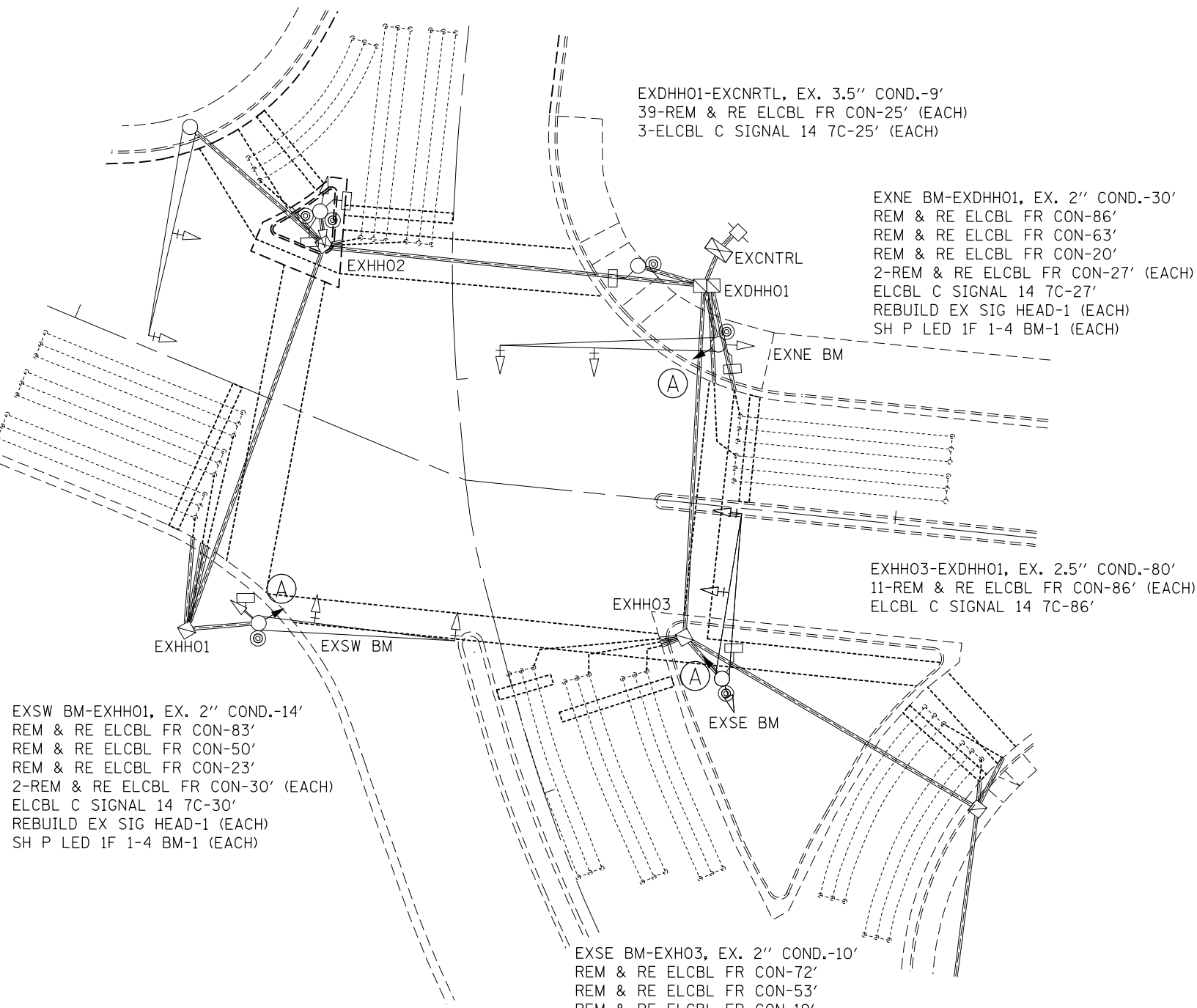
EXHH01-EXHH02, EX. 2.5" COND.-93'
8-REM & RE ELCBL FR CON-99' (EACH)
ELCBL C SIGNAL 14 7C-99'

EXHH02-EXDHH01, EX. 2" COND.-86'
19-REM & RE ELCBL FR CON-93' (EACH)
ELCBL C SIGNAL 14 7C-93'

EXDHH01-EXCNRTL, EX. 3.5" COND.-9'
39-REM & RE ELCBL FR CON-25' (EACH)
3-ELCBL C SIGNAL 14 7C-25' (EACH)

EXNE BM-EXDHH01, EX. 2" COND.-30'
REM & RE ELCBL FR CON-86'
REM & RE ELCBL FR CON-63'
REM & RE ELCBL FR CON-20'
2-REM & RE ELCBL FR CON-27' (EACH)
ELCBL C SIGNAL 14 7C-27'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-4 BM-1 (EACH)

EXHH03-EXDHH01, EX. 2.5" COND.-80'
11-REM & RE ELCBL FR CON-86' (EACH)
ELCBL C SIGNAL 14 7C-86'



EXSW BM-EXHH01, EX. 2" COND.-14'
REM & RE ELCBL FR CON-83'
REM & RE ELCBL FR CON-50'
REM & RE ELCBL FR CON-23'
2-REM & RE ELCBL FR CON-30' (EACH)
ELCBL C SIGNAL 14 7C-30'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-4 BM-1 (EACH)

EXSE BM-EXH03, EX. 2" COND.-10'
REM & RE ELCBL FR CON-72'
REM & RE ELCBL FR CON-53'
REM & RE ELCBL FR CON-19'
2-REM & RE ELCBL FR CON-26' (EACH)
ELCBL C SIGNAL 14 7C-26'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-4 BM-1 (EACH)



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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

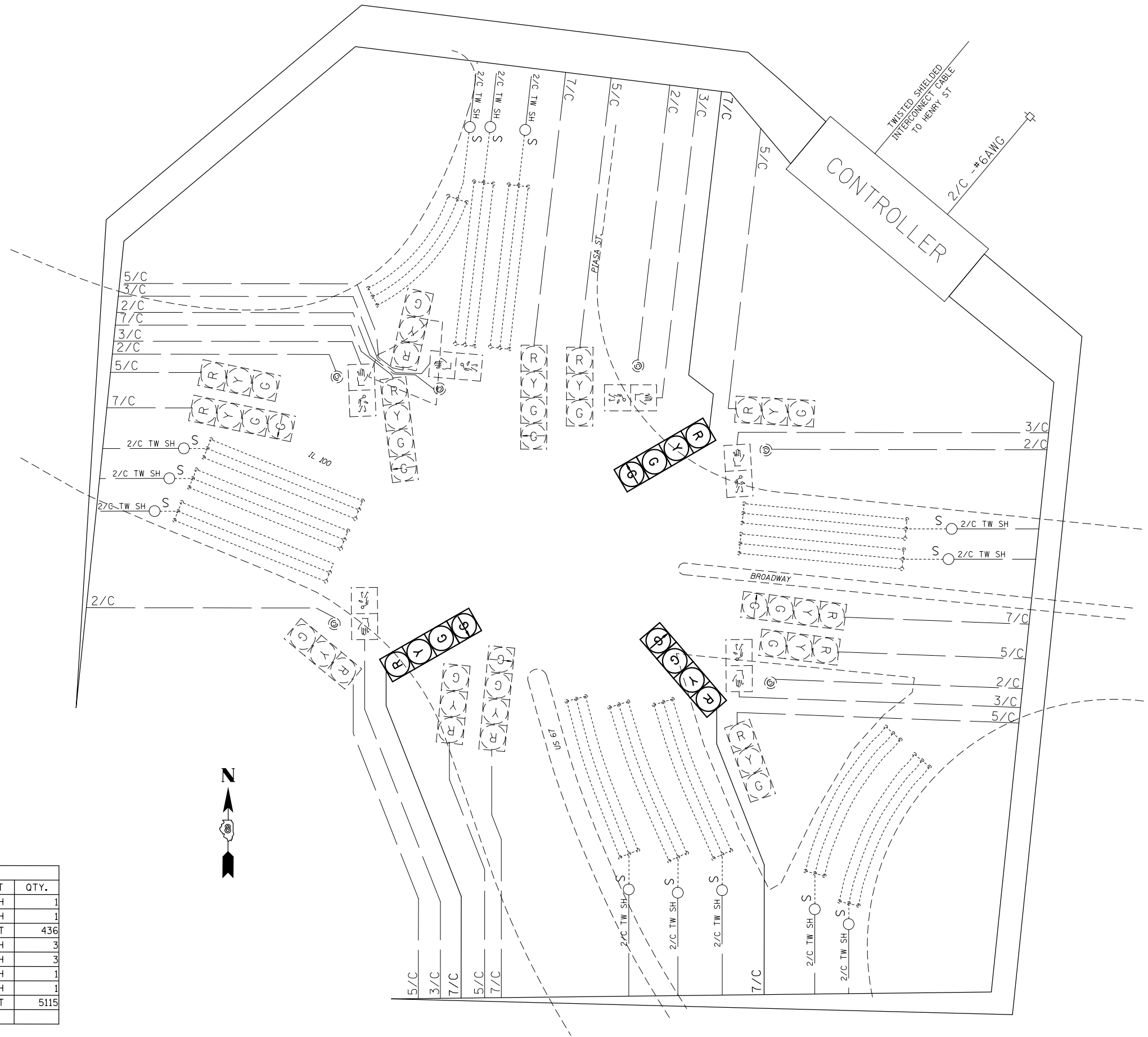
US 67 & IL 100 (ALTON, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	28
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	436
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	3
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5115

FILE NAME =
 USER NAME = prestonme
 DESIGNED -
 REVISIONS:
 PLOT SCALE = 33.3333 ' / in.
 PLOT DATE = 3/18/2016

DESIGNED -
 REVISIONS:
 CHECKED -
 DATE -

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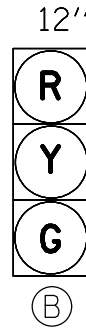
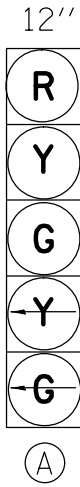
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 67 & IL 100 (ALTON, MADISON CNTY.)
 WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	29
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



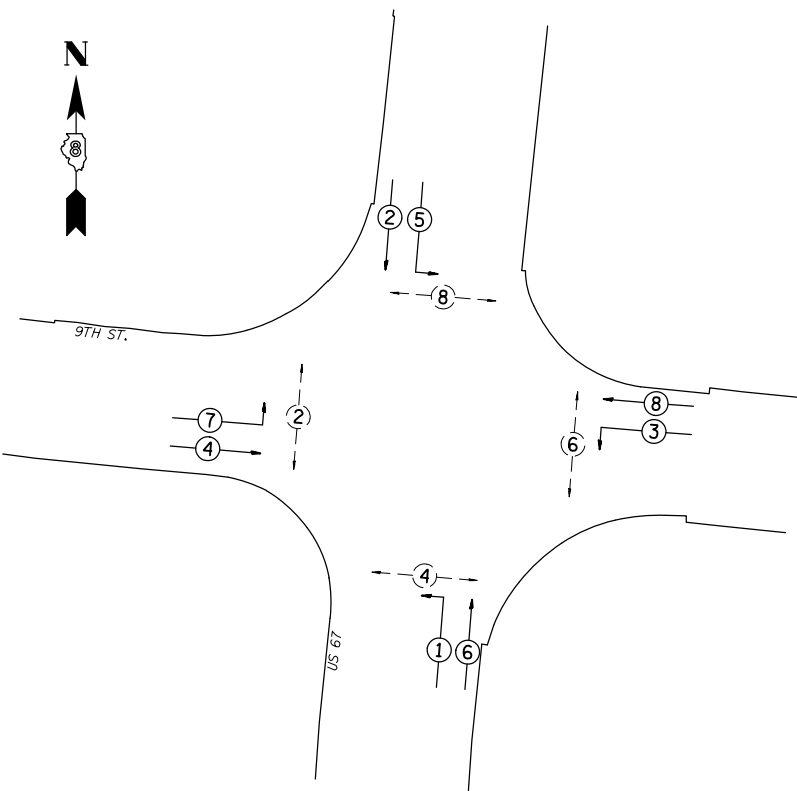
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

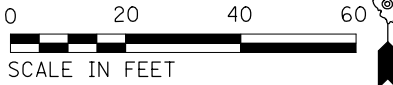
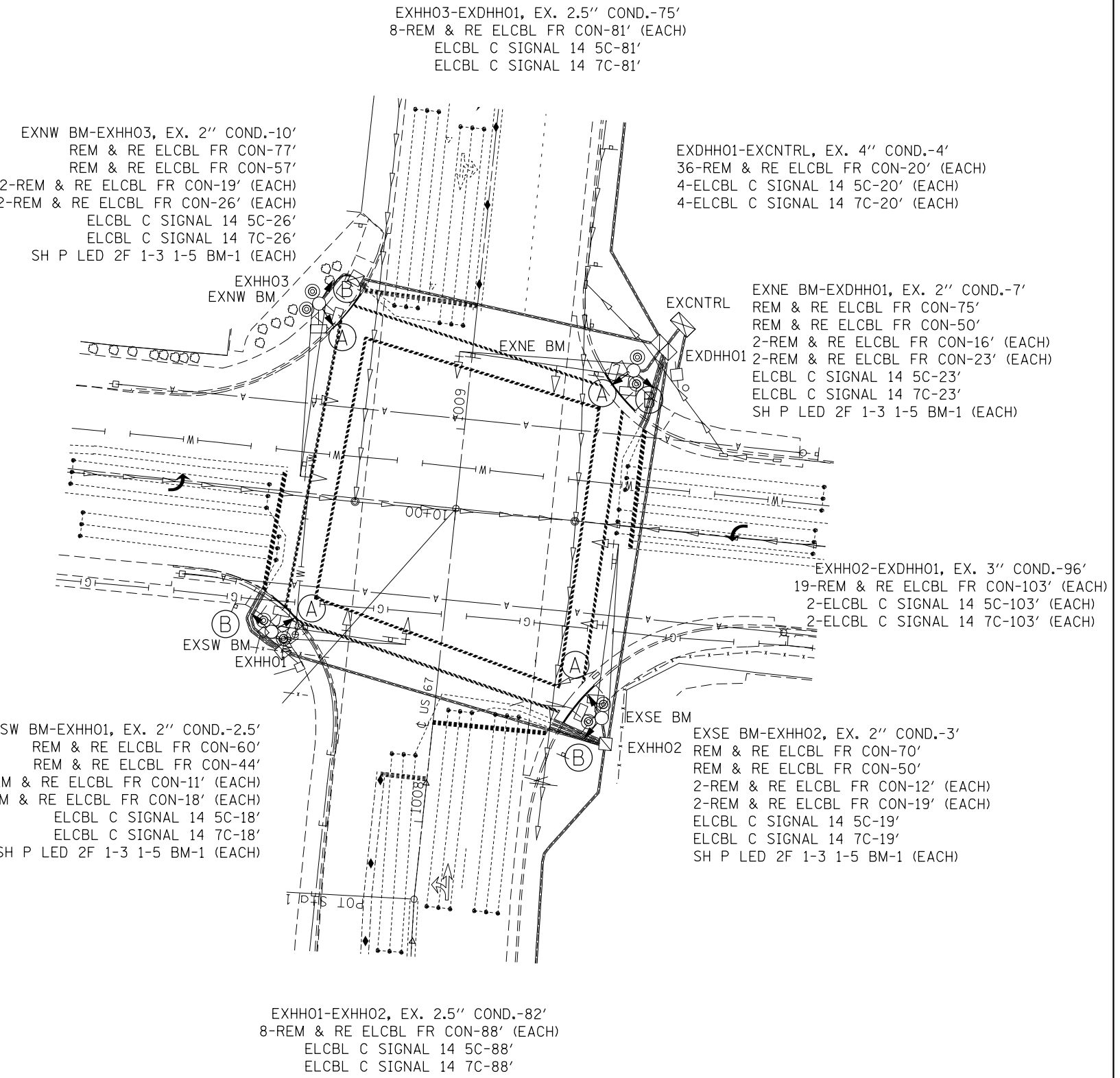
PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

PROPOSED TRAFFIC SIGNAL FACES

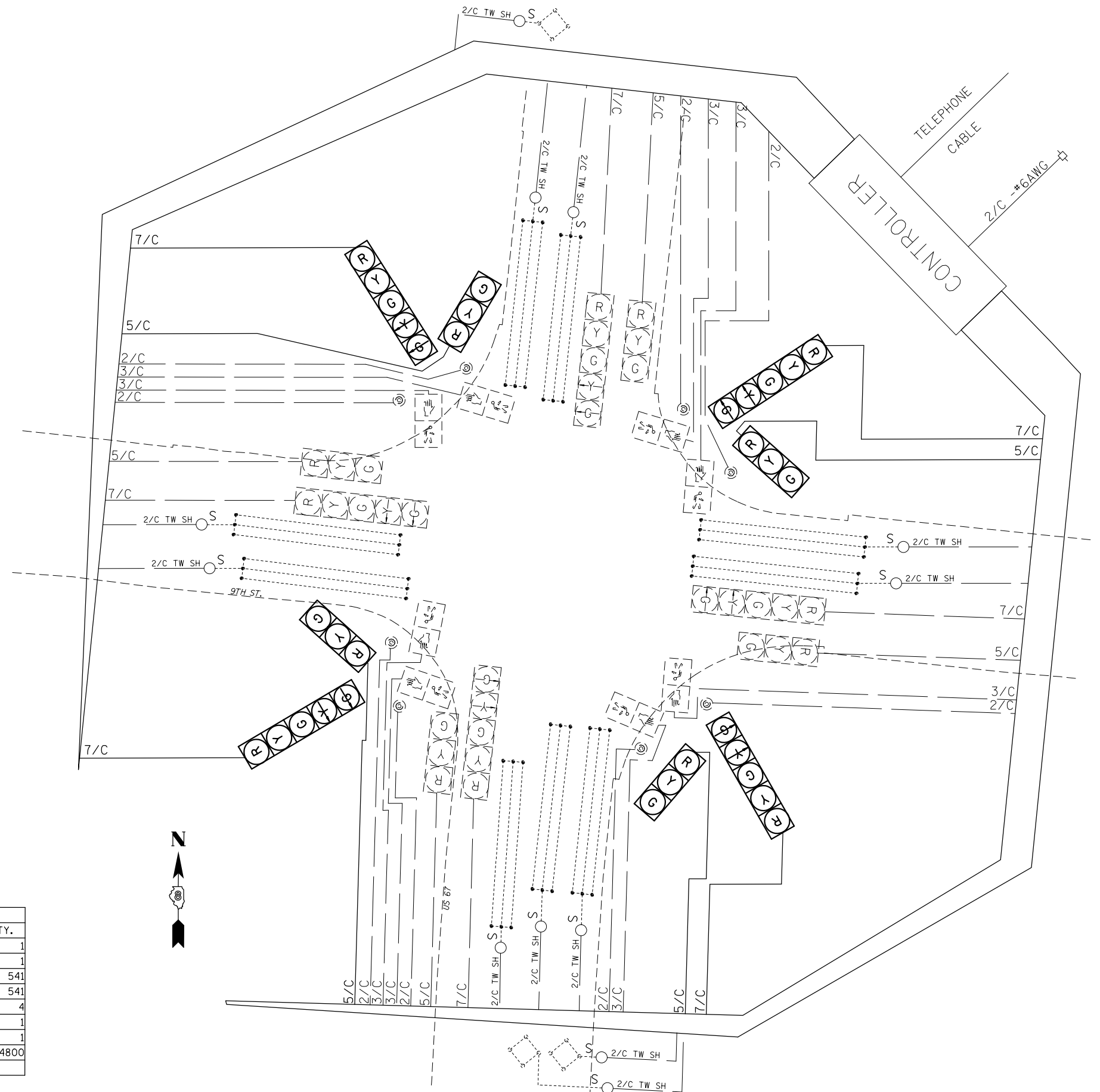


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	541
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	541
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4800



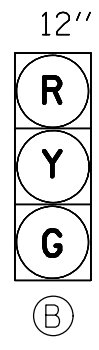
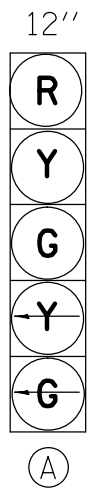
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 67 & 9TH (ALTON, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2016-2	•	126	31
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



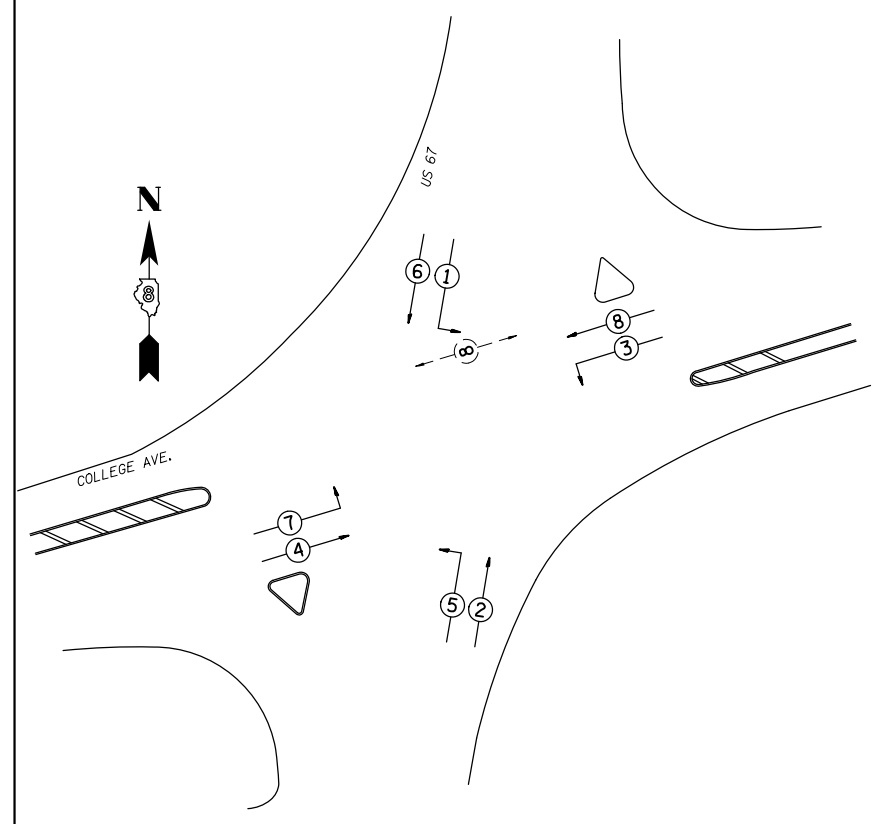
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

* PEDSTRIAN SIGNALS SHALL BE PUSHBUTTON ACTUATED

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXHH03-EXDHH01, EX. 2" COND.-110'
 12-REM & RE ELCBL FR CON-116' (EACH)
 2-ELCBL C SIGNAL 14 5C-116' (EACH)
 2-ELCBL C SIGNAL 14 7C-116' (EACH)

EXHH02-EXHH03, EX. 2" COND.-39'
 4-REM & RE ELCBL FR CON-45' (EACH)
 ELCBL C SIGNAL 14 5C-45'
 ELCBL C SIGNAL 14 7C-45'

EXSW BM-EXHH02, EX. 1.5" COND.-9'
 REM & RE ELCBL FR CON-70'
 REM & RE ELCBL FR CON-55'
 ELCBL C SIGNAL 14 5C-25'
 ELCBL C SIGNAL 14 7C-25'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH01-EXHH03, EX. 2" COND.-76.5'
 5-REM & RE ELCBL FR CON-83' (EACH)
 ELCBL C SIGNAL 14 5C-83'
 ELCBL C SIGNAL 14 7C-83'

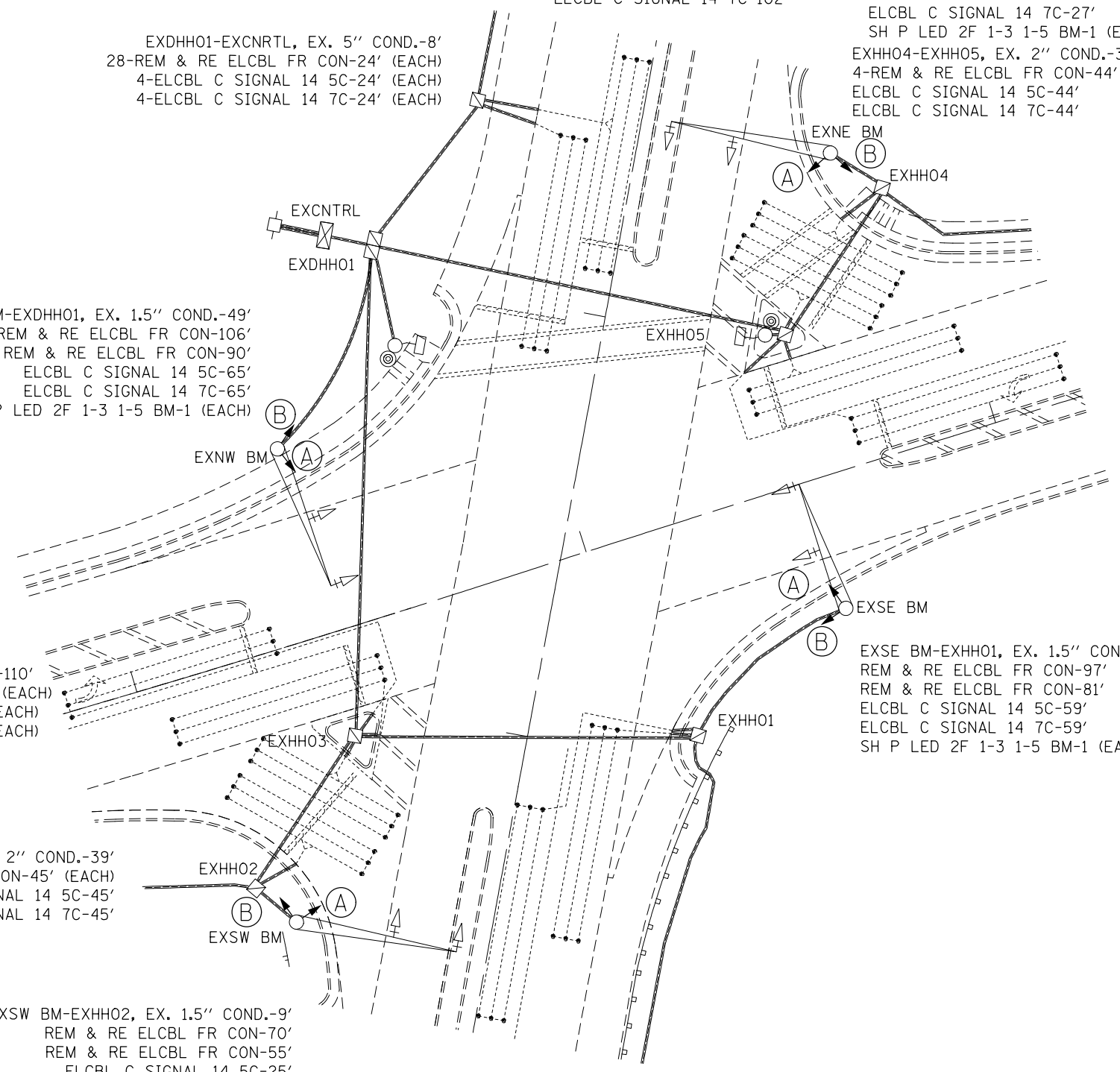
EXNW BM-EXDHH01, EX. 1.5" COND.-49'
 REM & RE ELCBL FR CON-106'
 REM & RE ELCBL FR CON-90'
 ELCBL C SIGNAL 14 5C-65'
 ELCBL C SIGNAL 14 7C-65'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXDHH01-EXCNRTL, EX. 5" COND.-8'
 28-REM & RE ELCBL FR CON-24' (EACH)
 4-ELCBL C SIGNAL 14 5C-24' (EACH)
 4-ELCBL C SIGNAL 14 7C-24' (EACH)

EXHH05-EXDHH01, EX. 2" COND.-95'
 9-REM & RE ELCBL FR CON-102' (EACH)
 ELCBL C SIGNAL 14 5C-102'
 ELCBL C SIGNAL 14 7C-102'

EXNE BM-EXHH04, EX. 1.5" COND.-11'
 REM & RE ELCBL FR CON-72'
 REM & RE ELCBL FR CON-57'
 ELCBL C SIGNAL 14 5C-27'
 ELCBL C SIGNAL 14 7C-27'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)
 EXHH04-EXHH05, EX. 2" COND.-38'
 4-REM & RE ELCBL FR CON-44' (EACH)
 ELCBL C SIGNAL 14 5C-44'
 ELCBL C SIGNAL 14 7C-44'

EXSE BM-EXHH01, EX. 1.5" COND.-43'
 REM & RE ELCBL FR CON-97'
 REM & RE ELCBL FR CON-81'
 ELCBL C SIGNAL 14 5C-59'
 ELCBL C SIGNAL 14 7C-59'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)



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	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

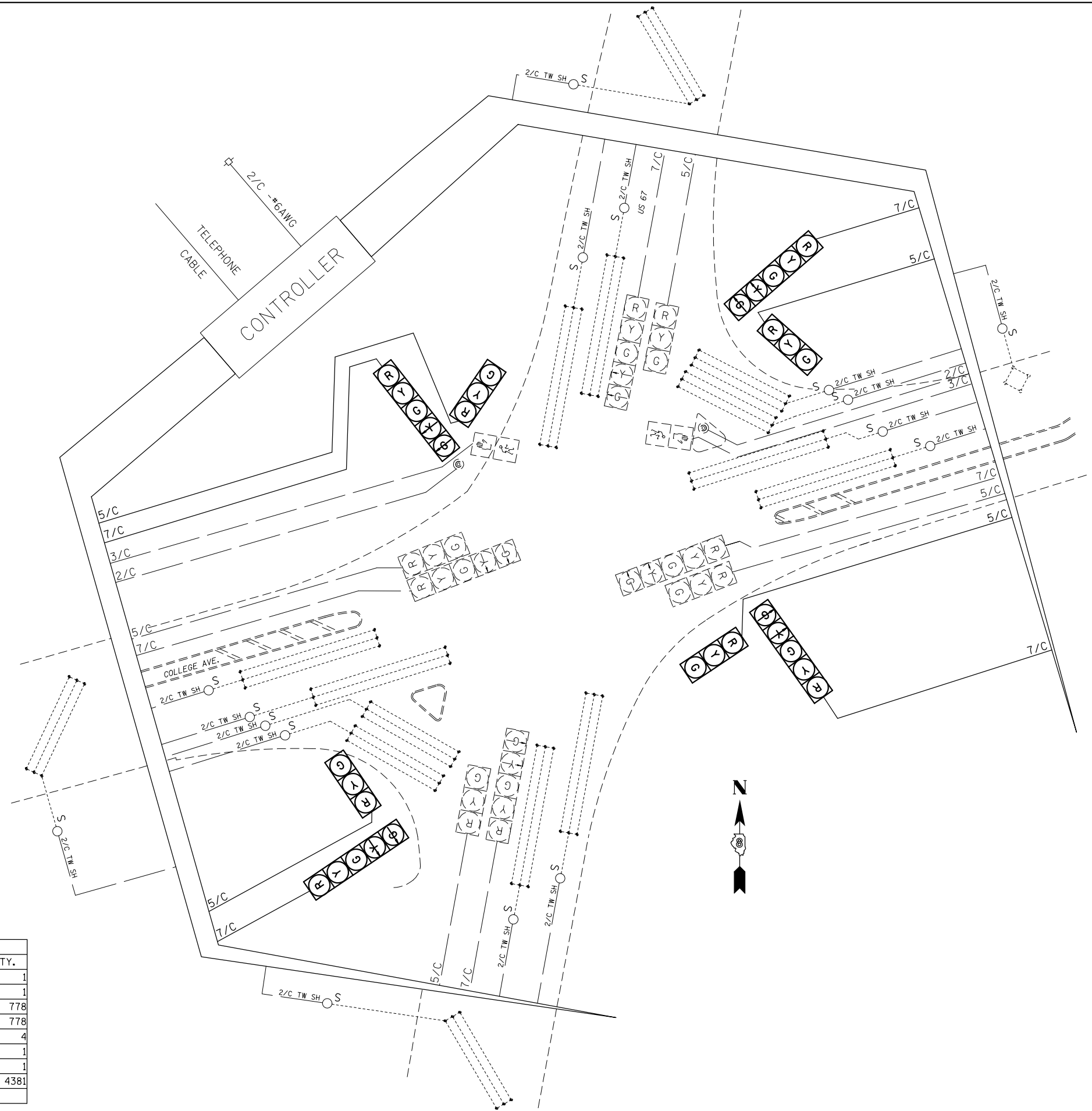
US 67 & COLLEGE (ALTON, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	32
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	778
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	778
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502390	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4381

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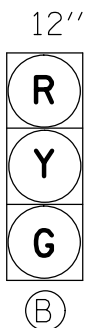
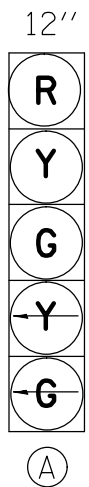
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 CHECKED -
 DATE -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 67 & COLLEGE (ALTON, MADISON CNTY.)
 WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	33
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

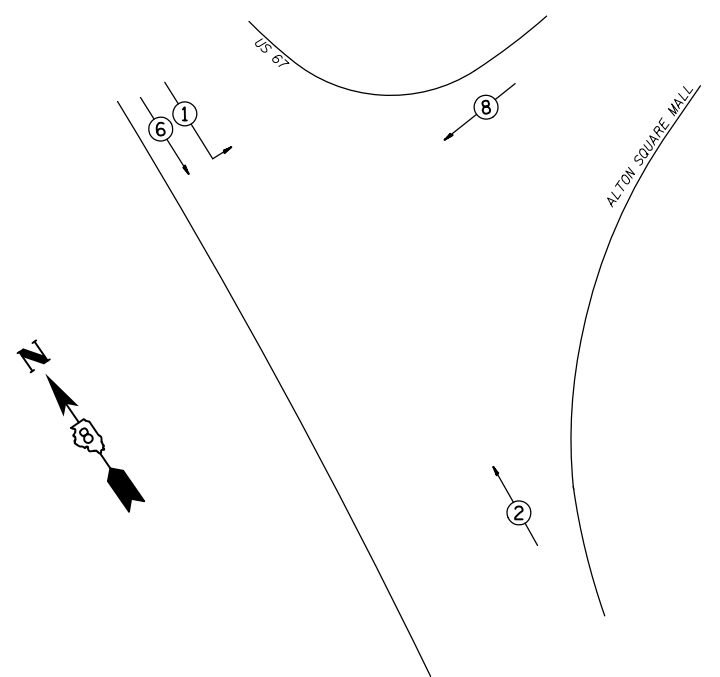


EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↙	↗	NOT USED	NOT USED	NOT USED	↘	NOT USED	↖
CONCURRENT MOVEMENT PERMITTED	6	6				1 OR 2		NONE

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION
DIAGRAM

EXHH01-EXHH03, EX. 1.5" COND.-74'
3-REM & RE ELCBL FR CON-80' (EACH)
ELCBL C SIGNAL 14 5C-80'

PRNW RBM-EXHH01-4'
LOCATE UNDERGR CABLE-4'
CONC FDN TY A-3'
UNDRGRD C PVC 1 1/24'
DRILL EX HANDHOLE1' (EACH)
TS POST A 141' (EACH)
ELCBL C SIGNAL 14 5C-20'
SH P LED 1F 1-3 BM-1 (EACH)

EXSW BM-EXHH04, EX. 2" COND.-77'
REM & RE ELCBL FR CON-133'
REM & RE ELCBL FR CON-118'
REM & RE ELCBL FR CON-133'
REM & RE ELCBL FR CON-121'
ELCBL C SIGNAL 14 5C-93'
SH P LED 1F 1-3 BM-1 (EACH)

EXHH04-EXDHH01, EX. 3" COND.-30'
13-REM & RE ELCBL FR CON-37' (EACH)
3-ELCBL C SIGNAL 14 5C-37' (EACH)

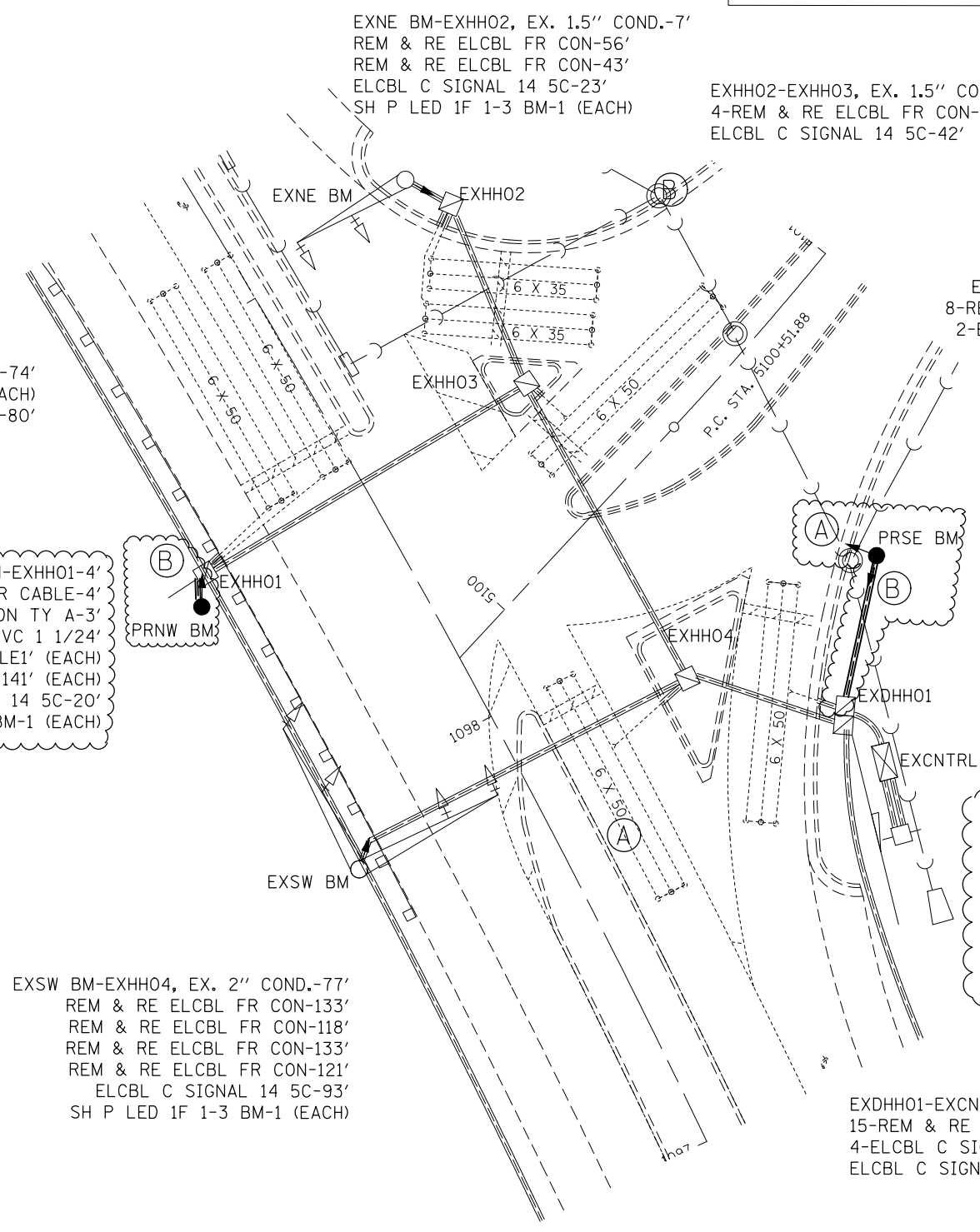
EXNE BM-EXHH02, EX. 1.5" COND.-7'
REM & RE ELCBL FR CON-56'
REM & RE ELCBL FR CON-43'
ELCBL C SIGNAL 14 5C-23'
SH P LED 1F 1-3 BM-1 (EACH)

EXHH02-EXHH03, EX. 1.5" COND.-36'
4-REM & RE ELCBL FR CON-42' (EACH)
ELCBL C SIGNAL 14 5C-42'

EXHH03-EXH04, EX. 2" COND.-66'
8-REM & RE ELCBL FR CON-73' (EACH)
2-ELCBL C SIGNAL 14 5C-73' (EACH)

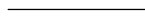

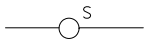
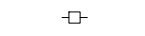
PRSE BM-EXDHH01-28'
LOCATE UNDERGR CABLE-28'
CONC FDN TY A-3'
UNDRGRD C PVC 1 1/228'
DRILL EX HANDHOLE1' (EACH)
TS POST A 141' (EACH)
ELCBL C SIGNAL 14 5C-44'
ELCBL C SIGNAL 14 7C-44'
SH P LED 2F 1-3 1-5 BM-1 (EACH)

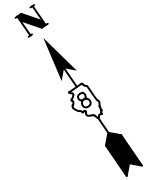
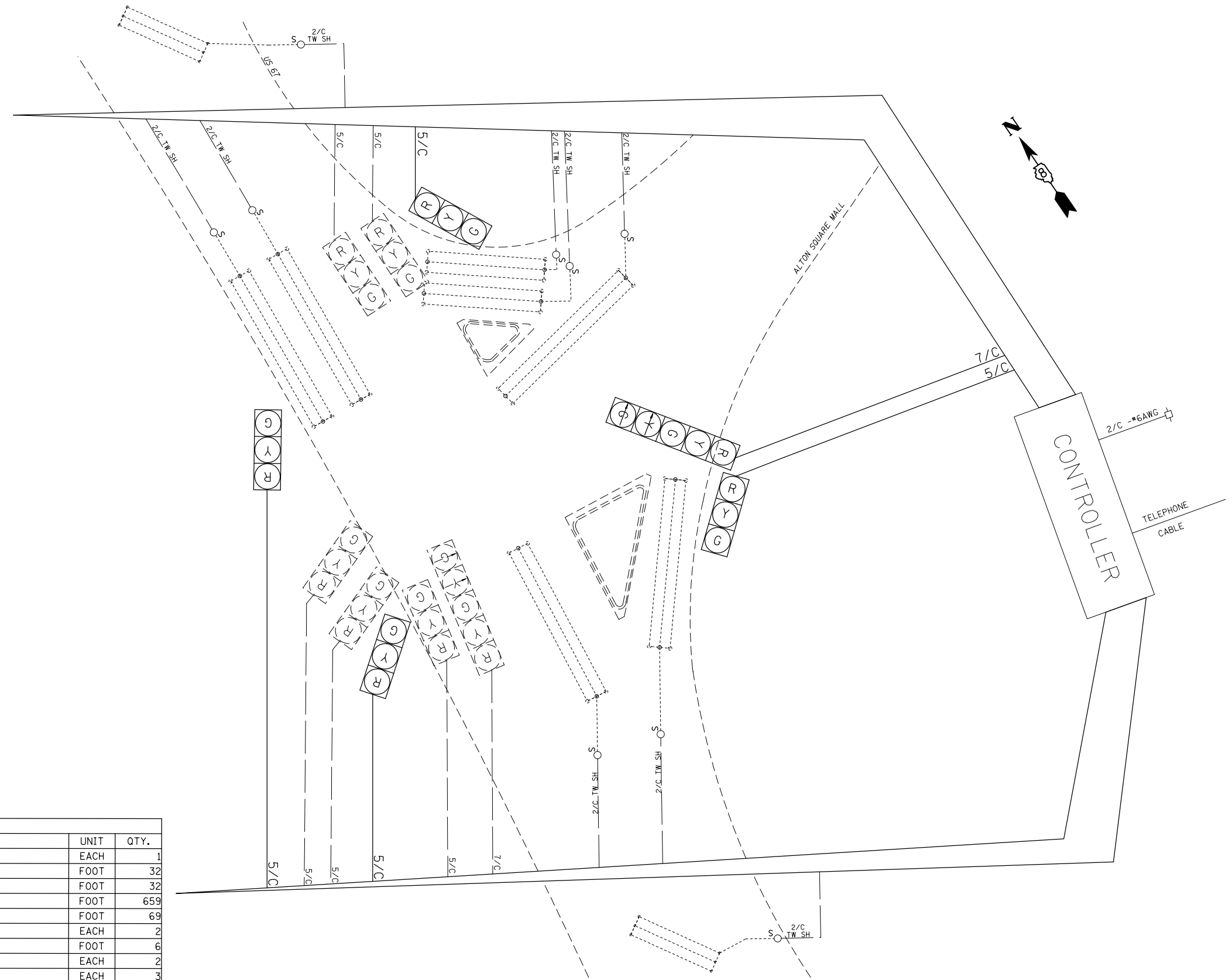
EXDHH01-EXCNRTL, EX. 3" COND.-9'
15-REM & RE ELCBL FR CON-25' (EACH)
4-ELCBL C SIGNAL 14 5C-25' (EACH)
ELCBL C SIGNAL 14 7C-25'



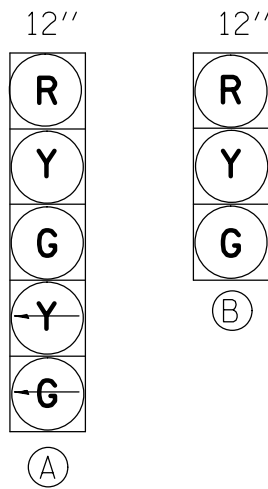
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PLLOT DATE = 3/18/2016	DATE -	REVISED -	REVISED -			CONTRACT NO. 76J21					
						SCALE: SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
8030010	LOCATING UNDERGROUND CABLE	FOOT	32
8102830	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	32
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	659
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	69
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87900200	DRILL EXISTING HANDHOLE	EACH	2
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2452

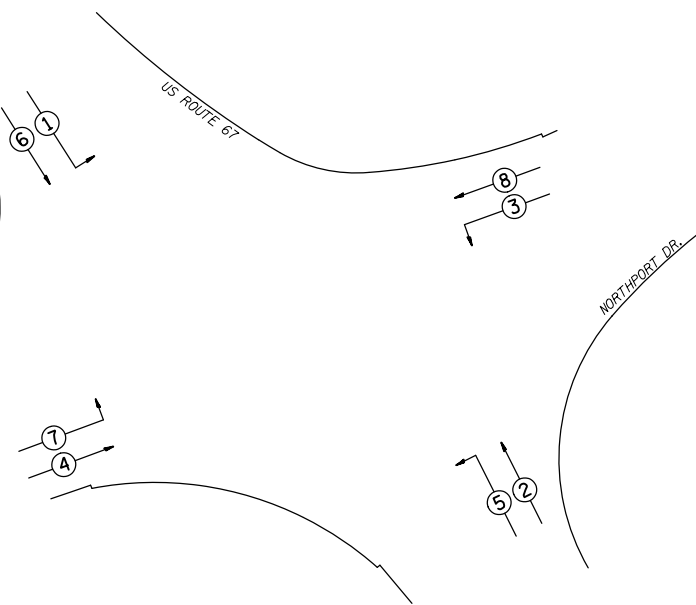


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

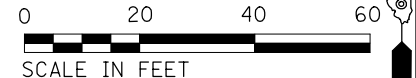
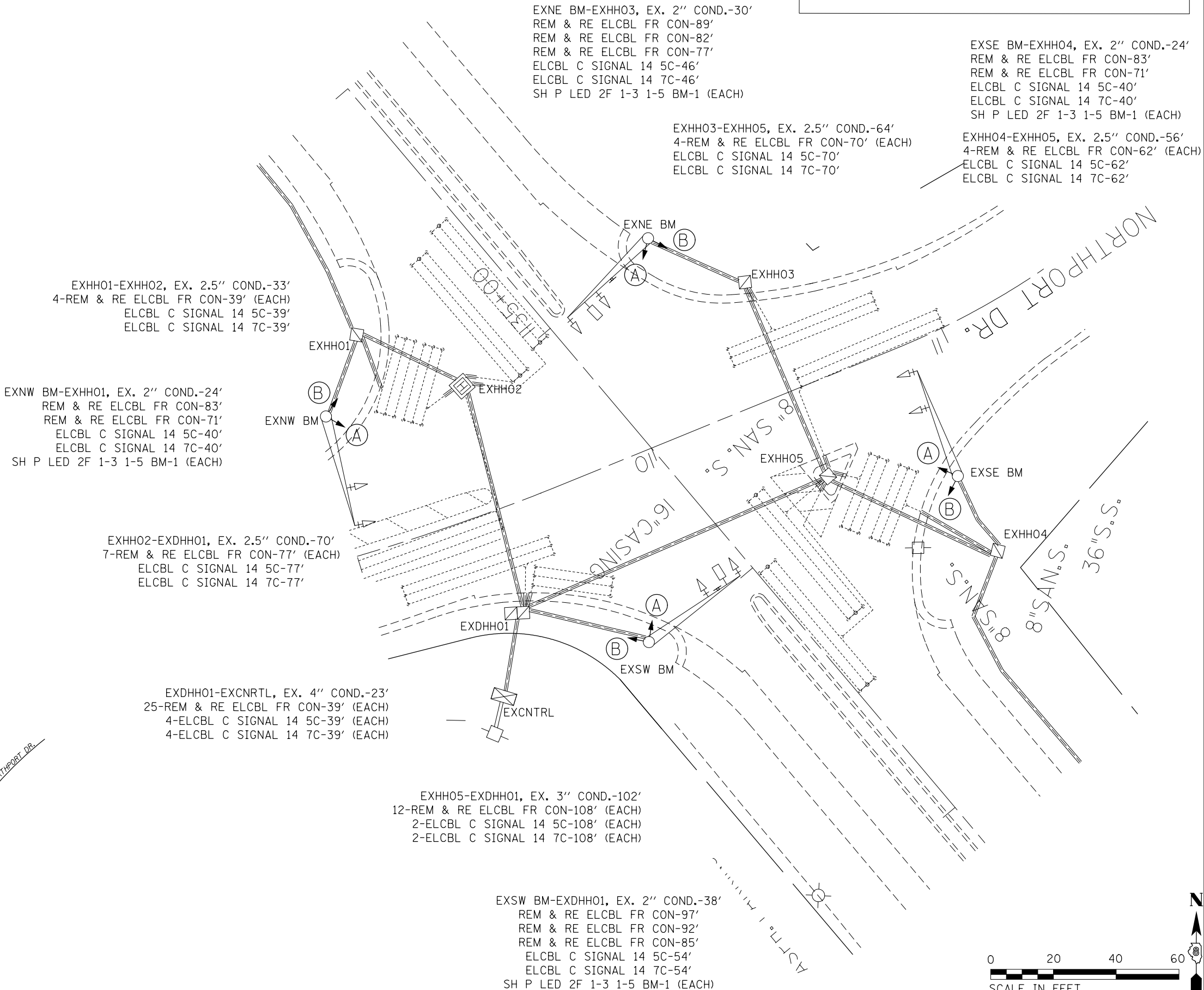
EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4



PHASE DESIGNATION DIAGRAM

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



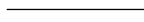

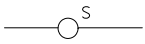


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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

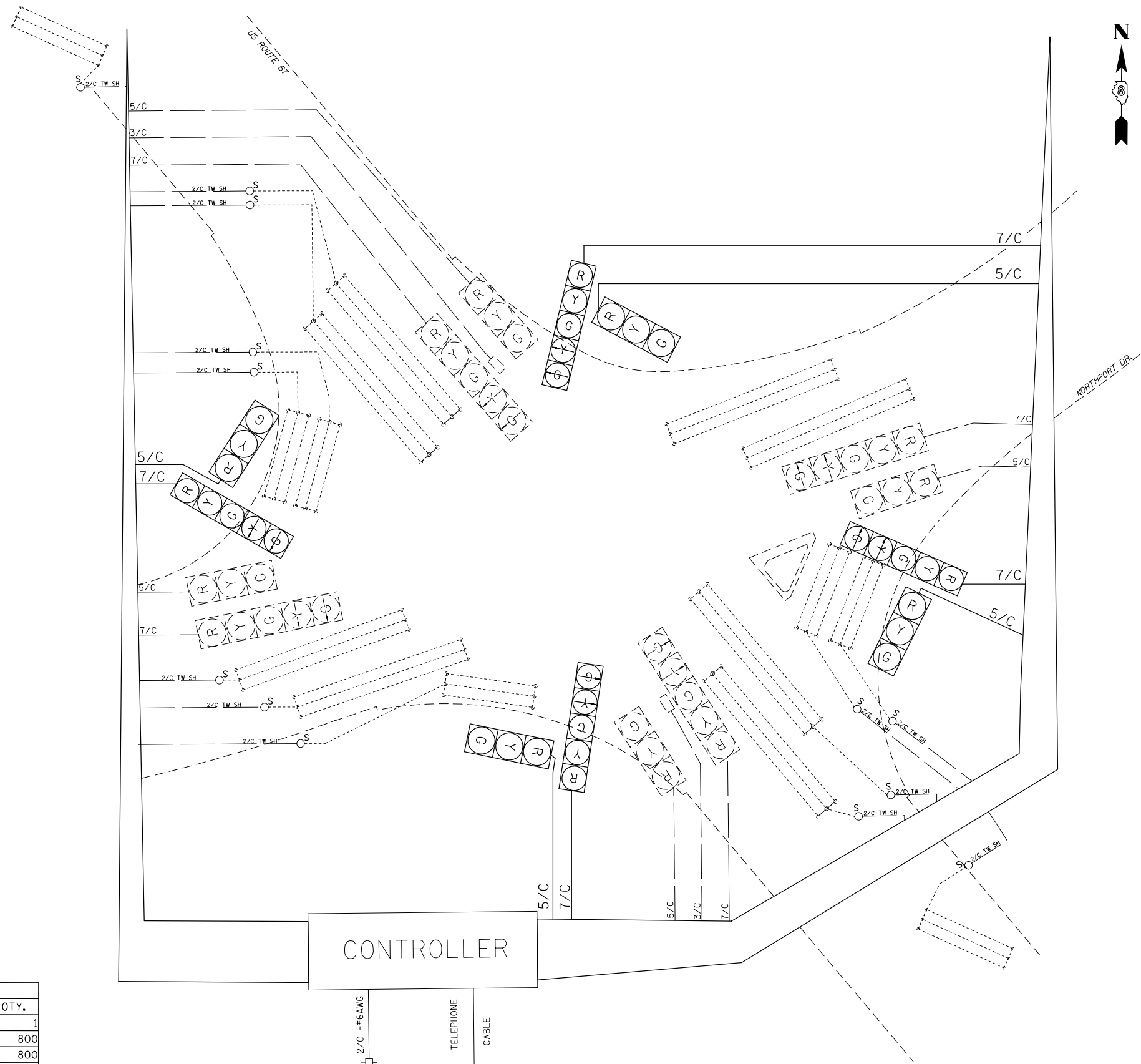
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 67 & NORTHPORT (ALTON, MADISON CNTY.) TRAFFIC SIGNAL PLAN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	36
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION
-  EXISTING LEFT TURN YIELD light sign



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	800
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	800
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502330	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4401

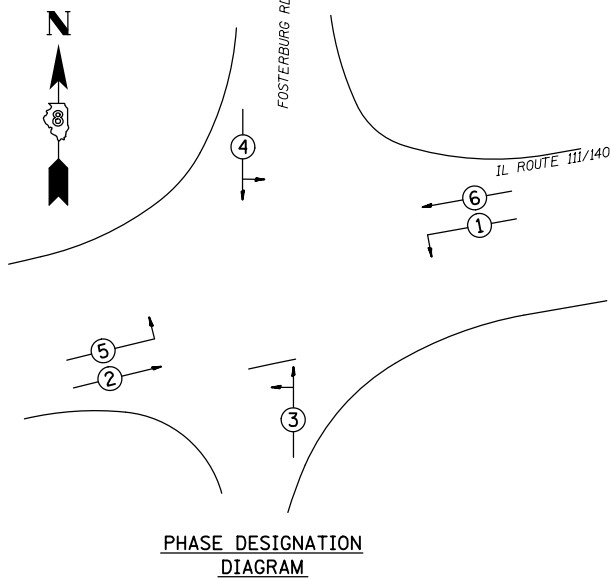
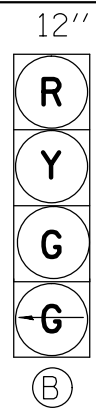
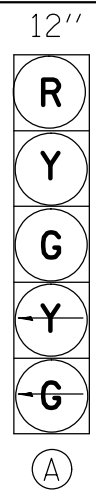
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	PLOT SCALE = 33.3333 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 67 & NORTHPORT (ALTON, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	37
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



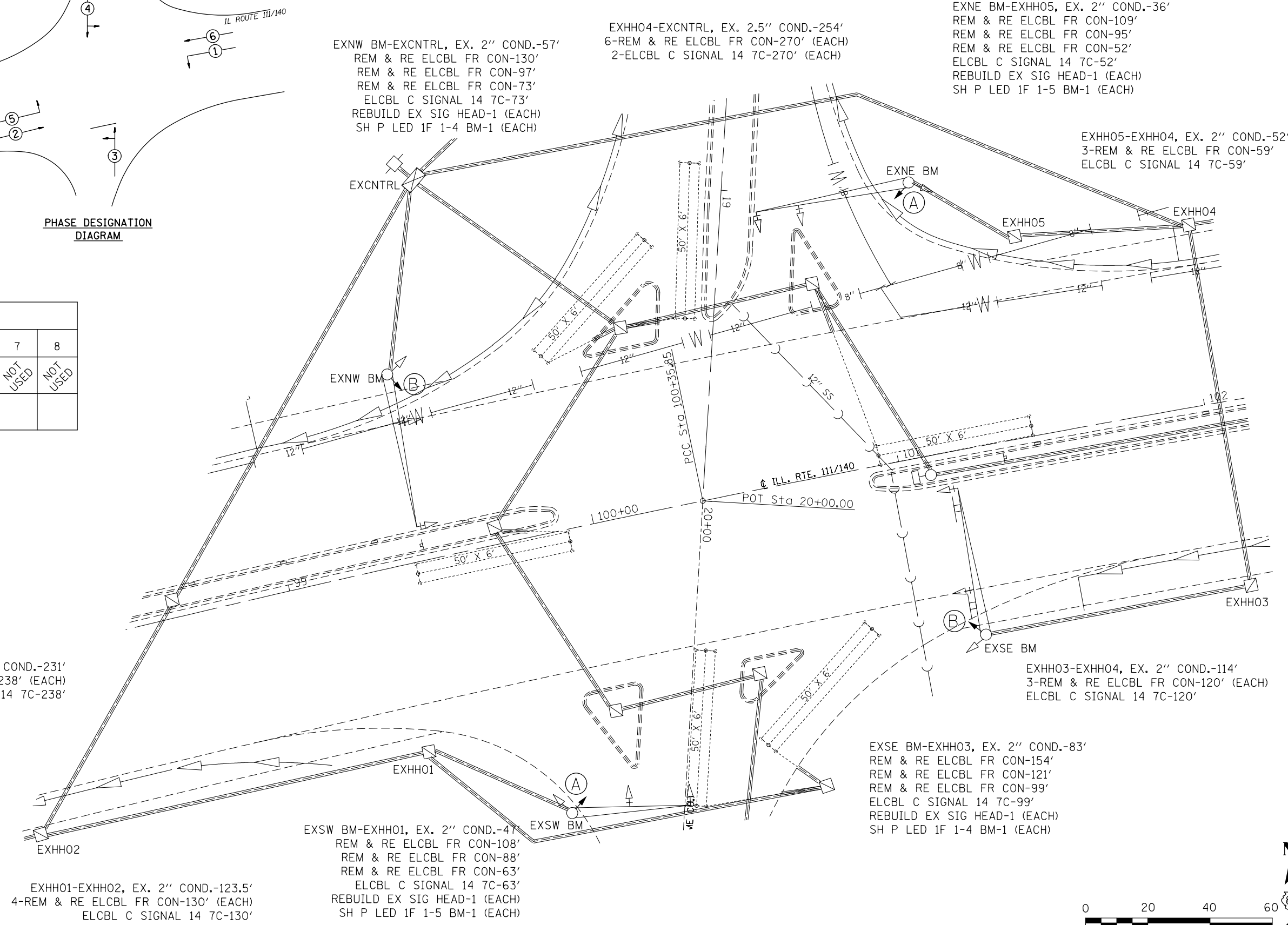
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↘	→	↙	↔	↗	←	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



EXNW BM-EXCNTRL, EX. 2" COND.-57'
 REM & RE ELCBL FR CON-130'
 REM & RE ELCBL FR CON-97'
 REM & RE ELCBL FR CON-73'
 ELCBL C SIGNAL 14 7C-73'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-4 BM-1 (EACH)

EXHH04-EXCNTRL, EX. 2.5" COND.-254'
 6-REM & RE ELCBL FR CON-270' (EACH)
 2-ELCBL C SIGNAL 14 7C-270' (EACH)

EXNE BM-EXHH05, EX. 2" COND.-36'
 REM & RE ELCBL FR CON-109'
 REM & RE ELCBL FR CON-95'
 REM & RE ELCBL FR CON-52'
 ELCBL C SIGNAL 14 7C-52'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH05-EXHH04, EX. 2" COND.-52'
 3-REM & RE ELCBL FR CON-59'
 ELCBL C SIGNAL 14 7C-59'

EXHH02-EXCNTRL, EX. 2" COND.-231'
 7-REM & RE ELCBL FR CON-238' (EACH)
 ELCBL C SIGNAL 14 7C-238'

EXHH03-EXHH04, EX. 2" COND.-114'
 3-REM & RE ELCBL FR CON-120' (EACH)
 ELCBL C SIGNAL 14 7C-120'

EXSE BM-EXHH03, EX. 2" COND.-83'
 REM & RE ELCBL FR CON-154'
 REM & RE ELCBL FR CON-121'
 REM & RE ELCBL FR CON-99'
 ELCBL C SIGNAL 14 7C-99'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-4 BM-1 (EACH)

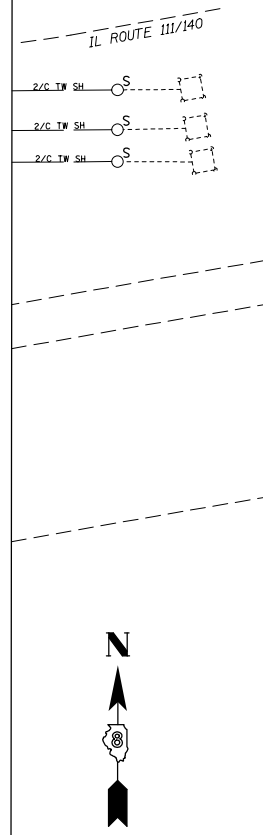
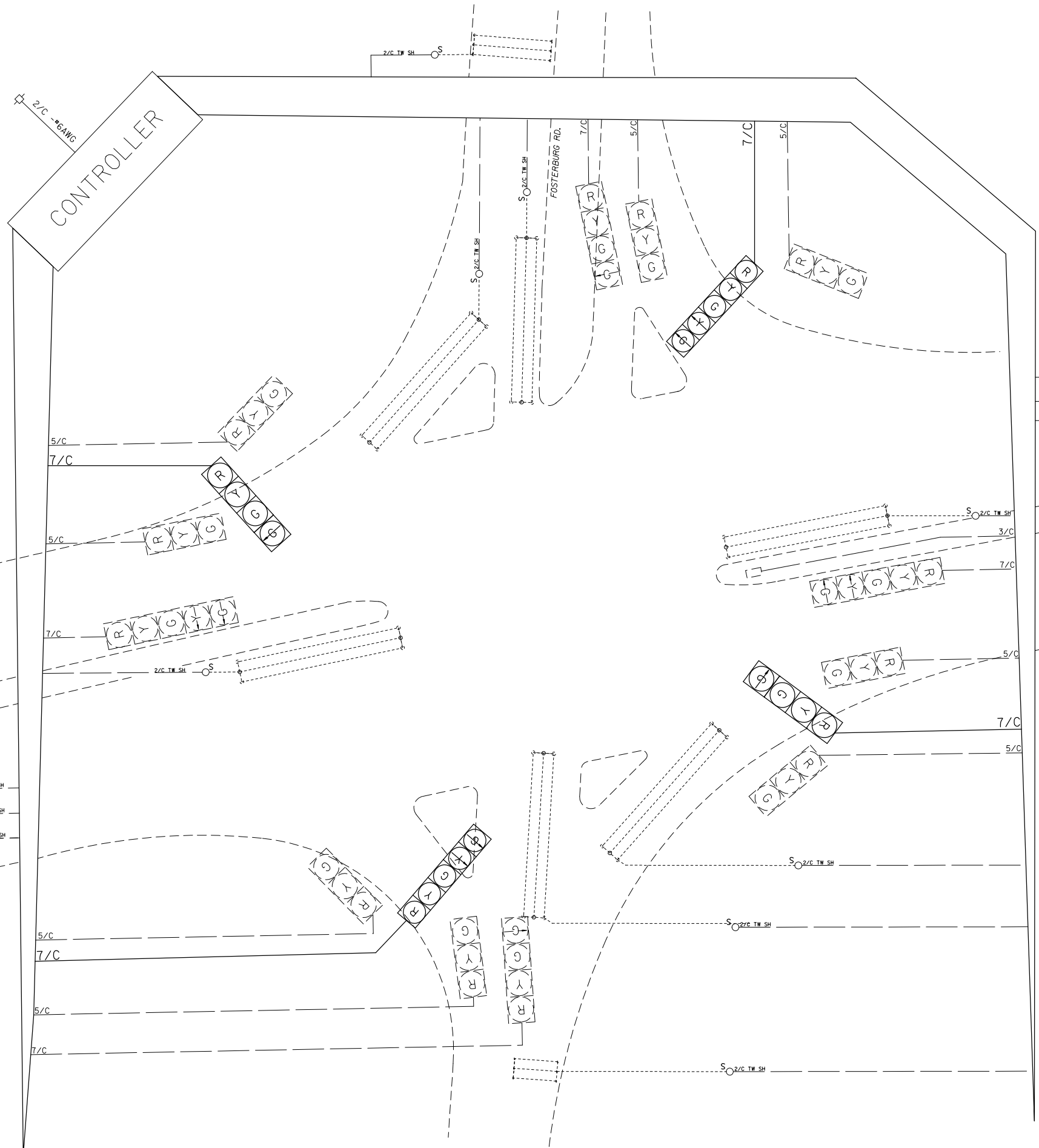
EXSW BM-EXHH01, EX. 2" COND.-47'
 REM & RE ELCBL FR CON-108'
 REM & RE ELCBL FR CON-88'
 REM & RE ELCBL FR CON-63'
 ELCBL C SIGNAL 14 7C-63'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH01-EXHH02, EX. 2" COND.-123.5'
 4-REM & RE ELCBL FR CON-130' (EACH)
 ELCBL C SIGNAL 14 7C-130'

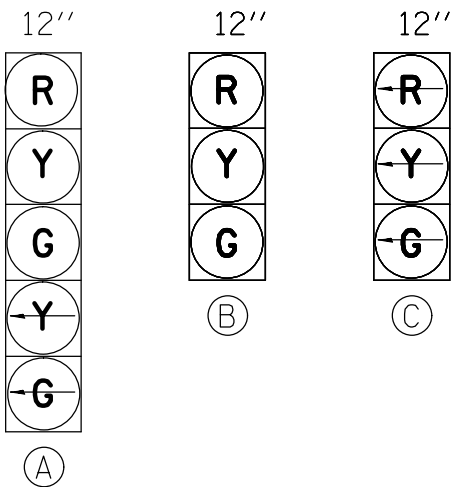


CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1374
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5532

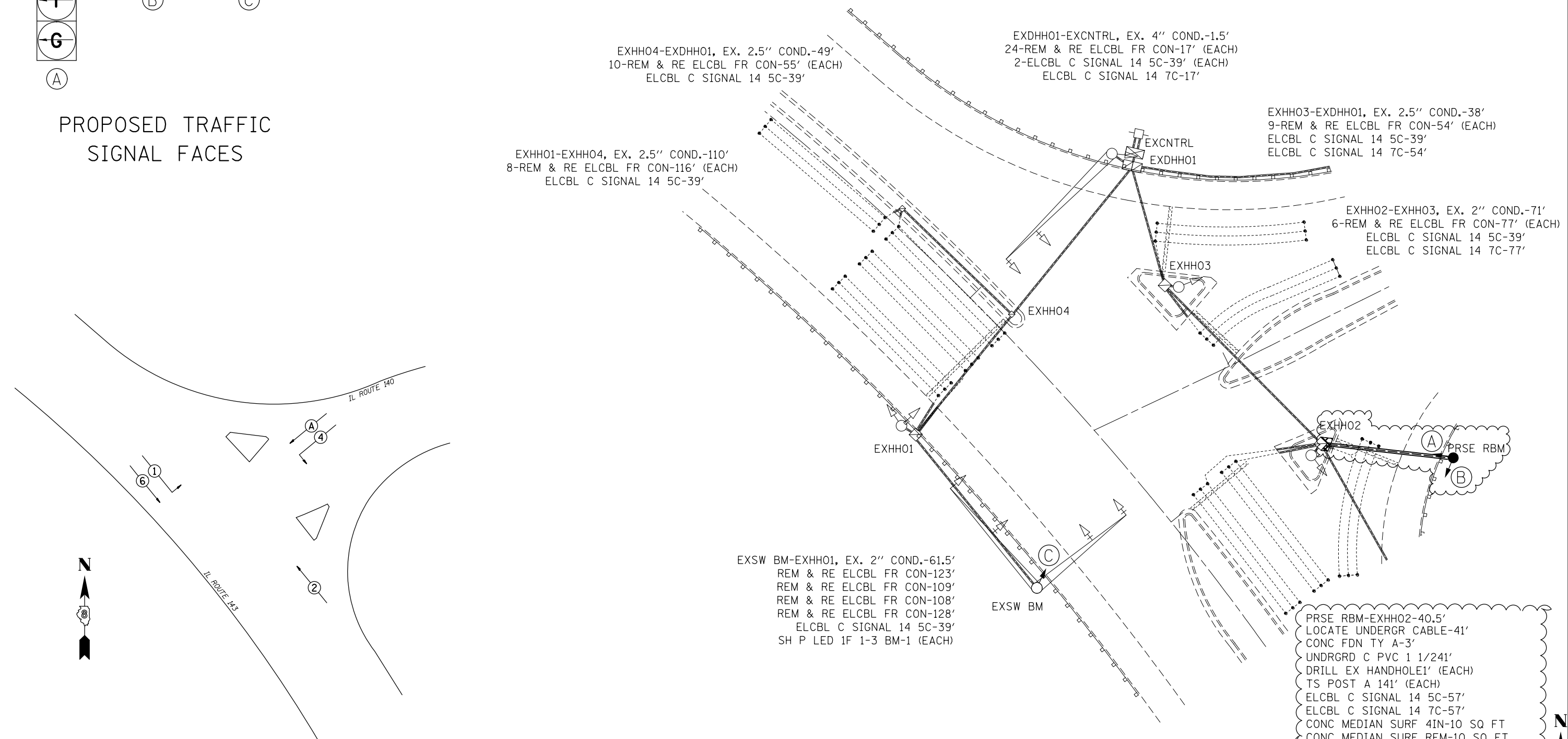


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION									
PHASE	1	2	3	4	5	6	7	8	OL A
MOVEMENT	↙	↖	NOT USED	↘	NOT USED	↗	NOT USED	NOT USED	↗
CONCURRENT MOVEMENT PERMITTED	6	6		NONE		1 OR 2			1 + 4

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



EXHH04-EXDHH01, EX. 2.5" COND.-49'
10-REM & RE ELCBL FR CON-55' (EACH)
ELCBL C SIGNAL 14 5C-39'

EXHH01-EXHH04, EX. 2.5" COND.-110'
8-REM & RE ELCBL FR CON-116' (EACH)
ELCBL C SIGNAL 14 5C-39'

EXDHH01-EXCNTRL, EX. 4" COND.-1.5'
24-REM & RE ELCBL FR CON-17' (EACH)
2-ELCBL C SIGNAL 14 5C-39' (EACH)
ELCBL C SIGNAL 14 7C-17'

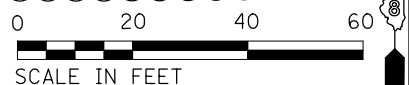
EXHH03-EXDHH01, EX. 2.5" COND.-38'
9-REM & RE ELCBL FR CON-54' (EACH)
ELCBL C SIGNAL 14 5C-39'
ELCBL C SIGNAL 14 7C-54'

EXHH02-EXHH03, EX. 2" COND.-71'
6-REM & RE ELCBL FR CON-77' (EACH)
ELCBL C SIGNAL 14 5C-39'
ELCBL C SIGNAL 14 7C-77'

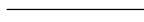

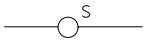
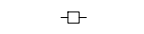
EXSW BM-EXHH01, EX. 2" COND.-61.5'
REM & RE ELCBL FR CON-123'
REM & RE ELCBL FR CON-109'
REM & RE ELCBL FR CON-108'
REM & RE ELCBL FR CON-128'
ELCBL C SIGNAL 14 5C-39'
SH P LED 1F 1-3 BM-1 (EACH)

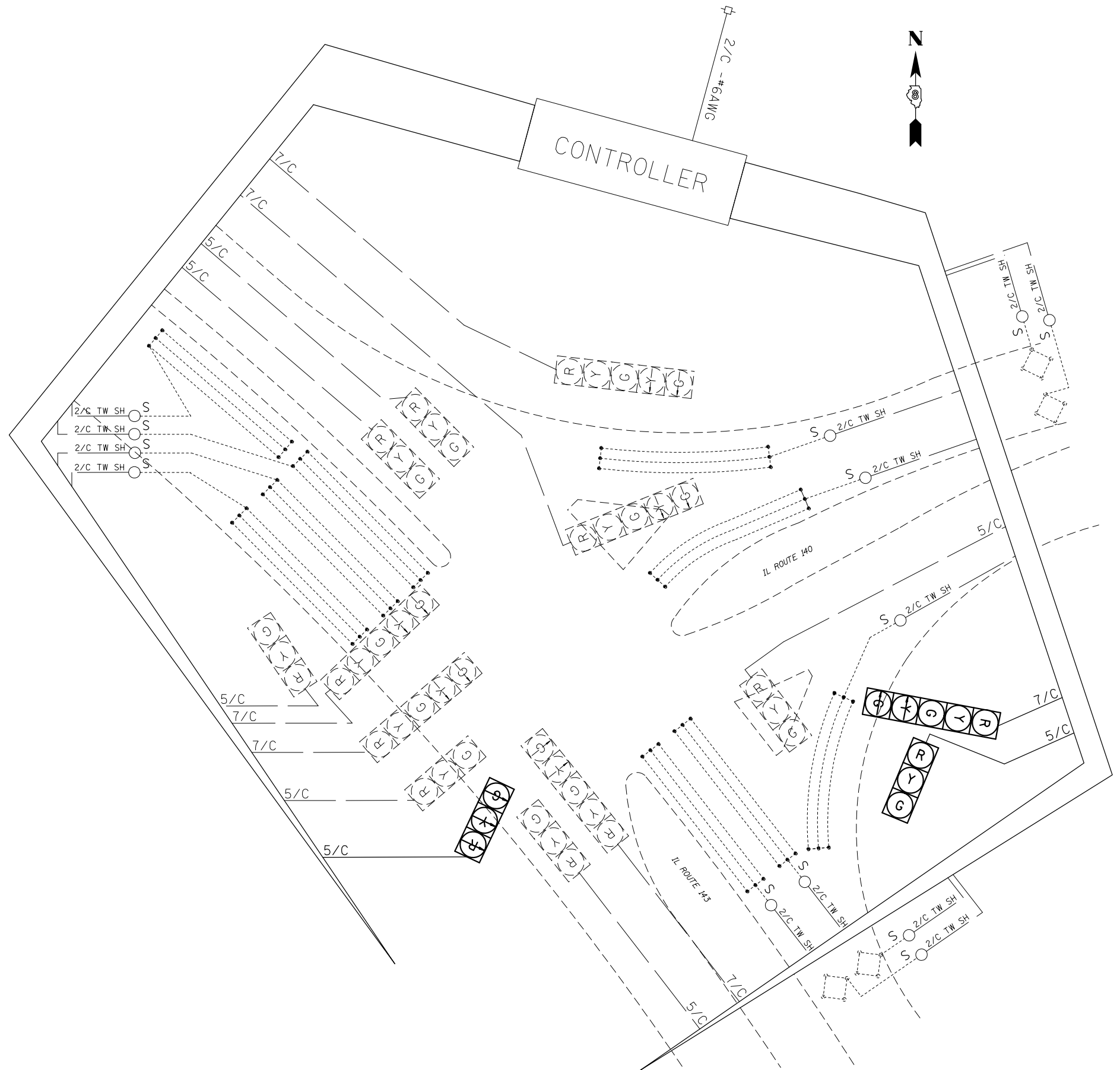
PRSE RBM-EXHH02-40.5'
LOCATE UNDERGR CABLE-41'
CONC FDN TY A-3'
UNDRGRD C PVC 1 1/241'
DRILL EX HANDHOLE1' (EACH)
TS POST A 141' (EACH)
ELCBL C SIGNAL 14 5C-57'
ELCBL C SIGNAL 14 7C-57'
CONC MEDIAN SURF 4IN-10 SQ FT
CONC MEDIAN SURF REM-10 SQ FT
SH P LED 2F 1-3 1-5 BM-1 (EACH)

PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	10
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	41
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	41
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	330
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	205
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2814
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	10

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 REVISIONS -
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 PLOT DATE = 3/18/2016

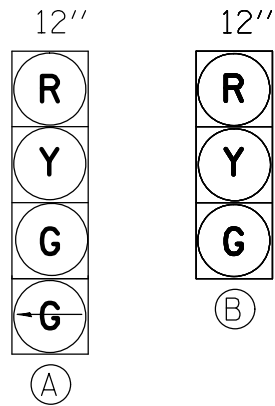
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 REVISIONS -
 CHECKED -
 DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 140 & IL 143 (ALTON, MADISON CNTY.)
WIRING DIAGRAM

SCALE: SHEET NO. OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DIST 8 TS 2016-2		126	41
CONTRACT NO. 76J21		ILLINOIS FED. AID PROJECT	

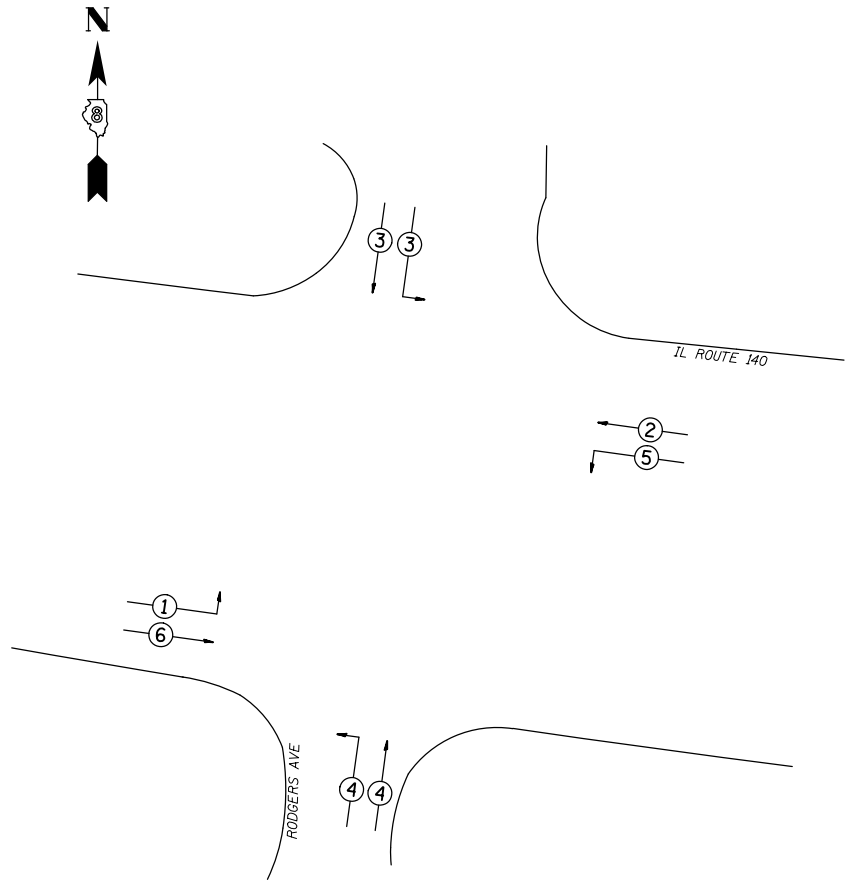


PROPOSED TRAFFIC SIGNAL FACES

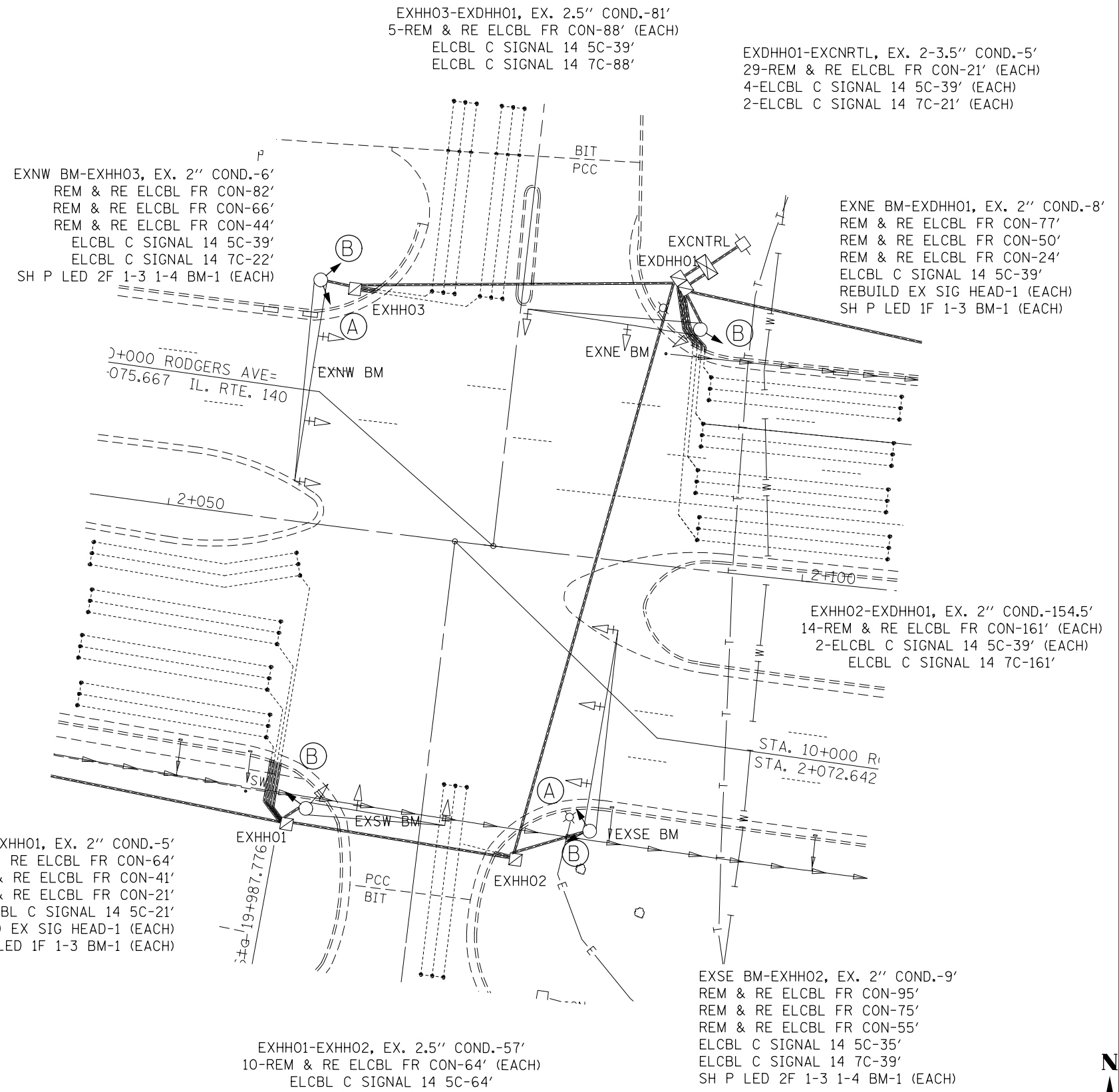
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		



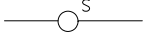
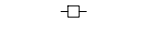
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

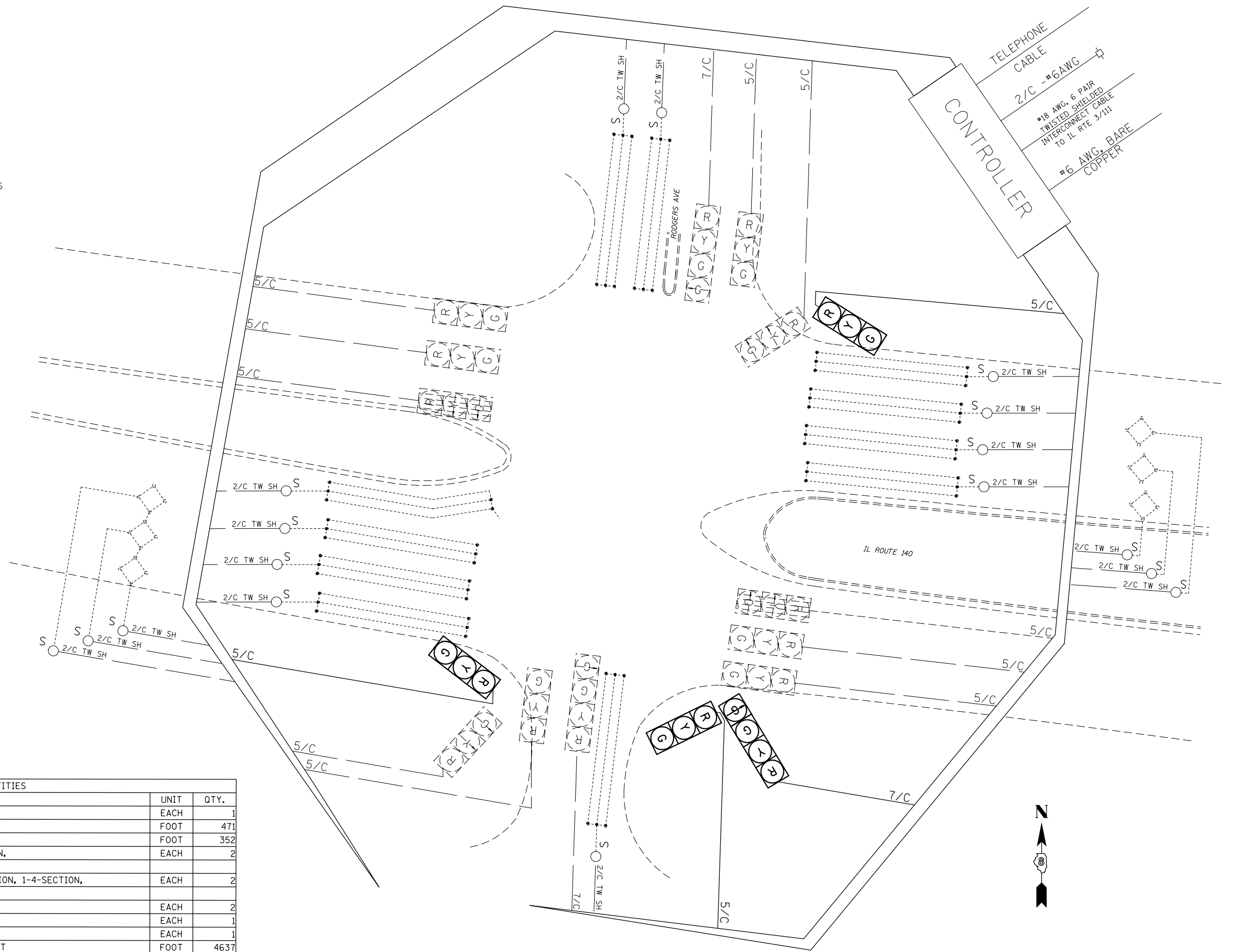


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	471
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	352
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4637

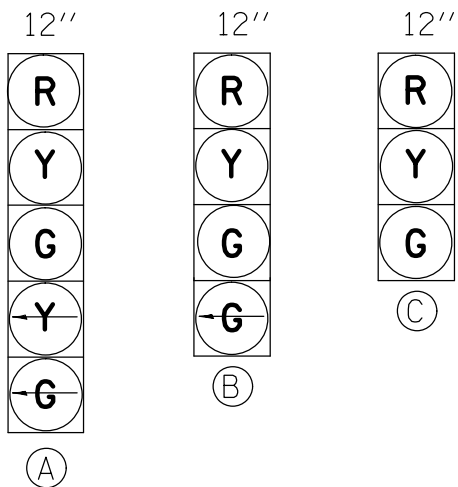
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	PLOT DATE = 3/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 140 & RODGERS (ALTON, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

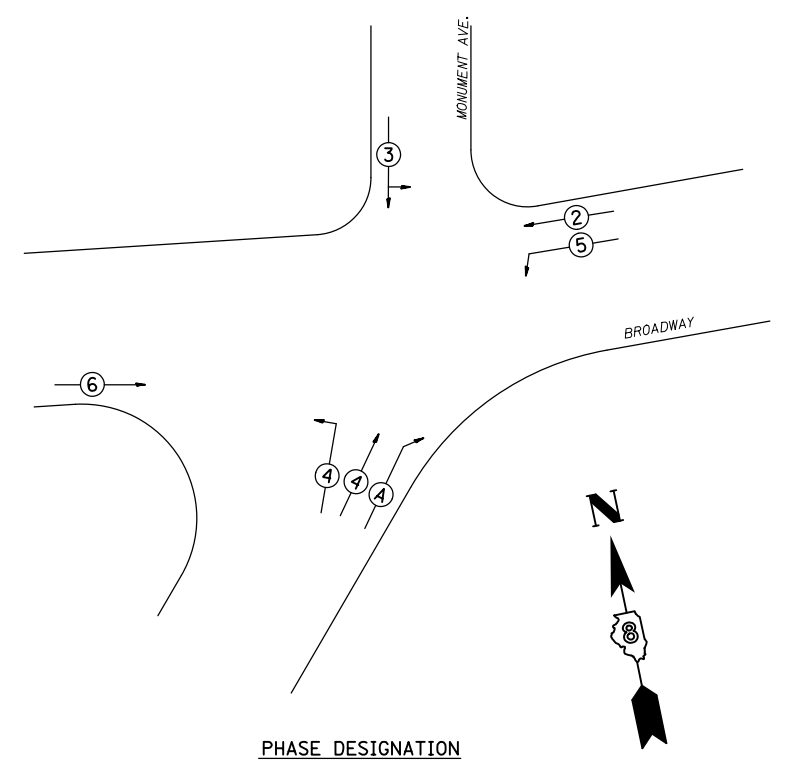
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



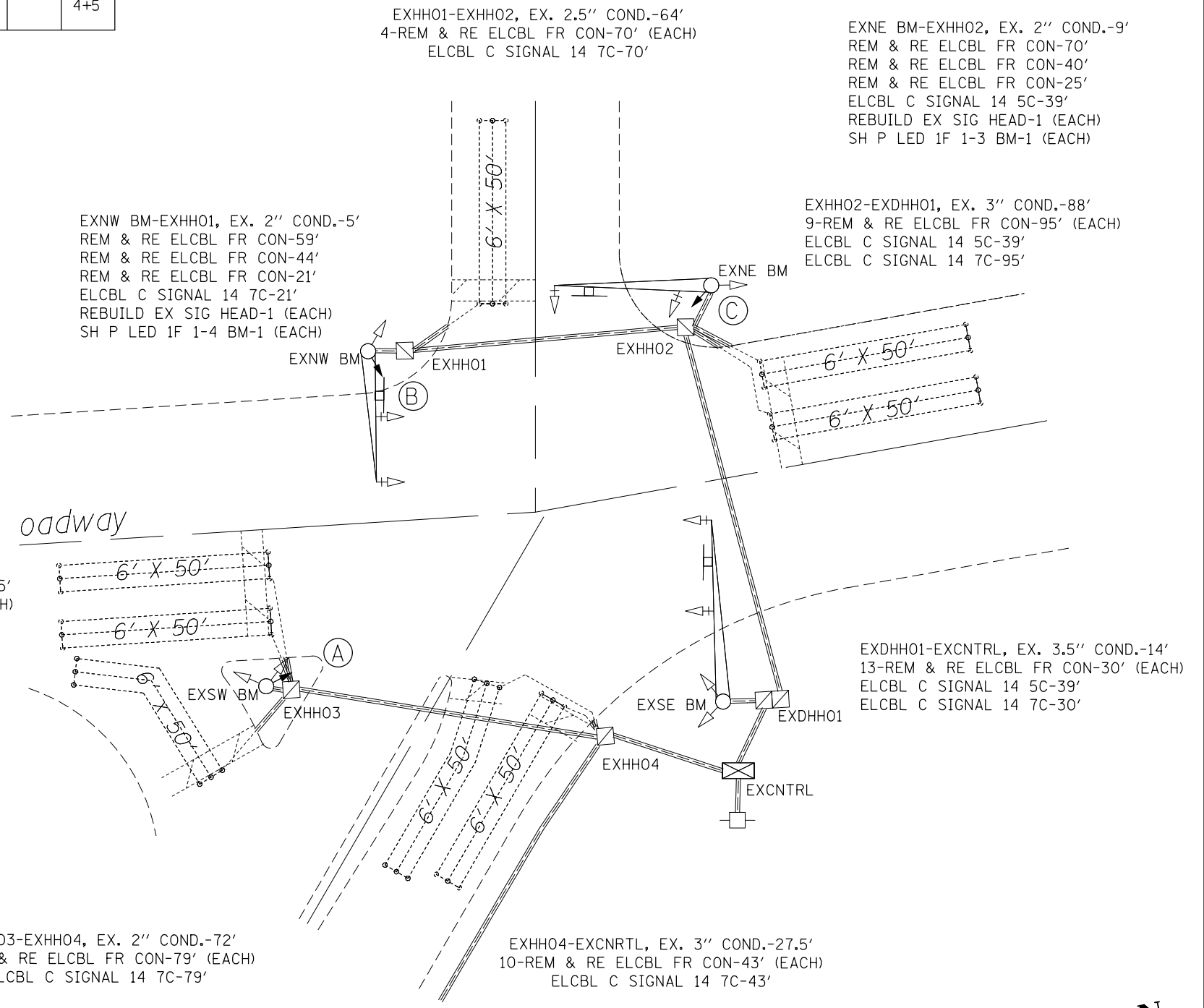
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER									
EXISTING SEQUENCE OF OPERATION									
PHASE	1	2	3	4	5	6	7	8	O.L.A.
MOVEMENT	NOT USED	←	←	↙	↘	→	NOT USED	NOT USED	↗
CONCURRENT MOVEMENT PERMITTED		5 OR 6	NONE	O.L.A.	2 OR O.L.A.	2			4+5

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

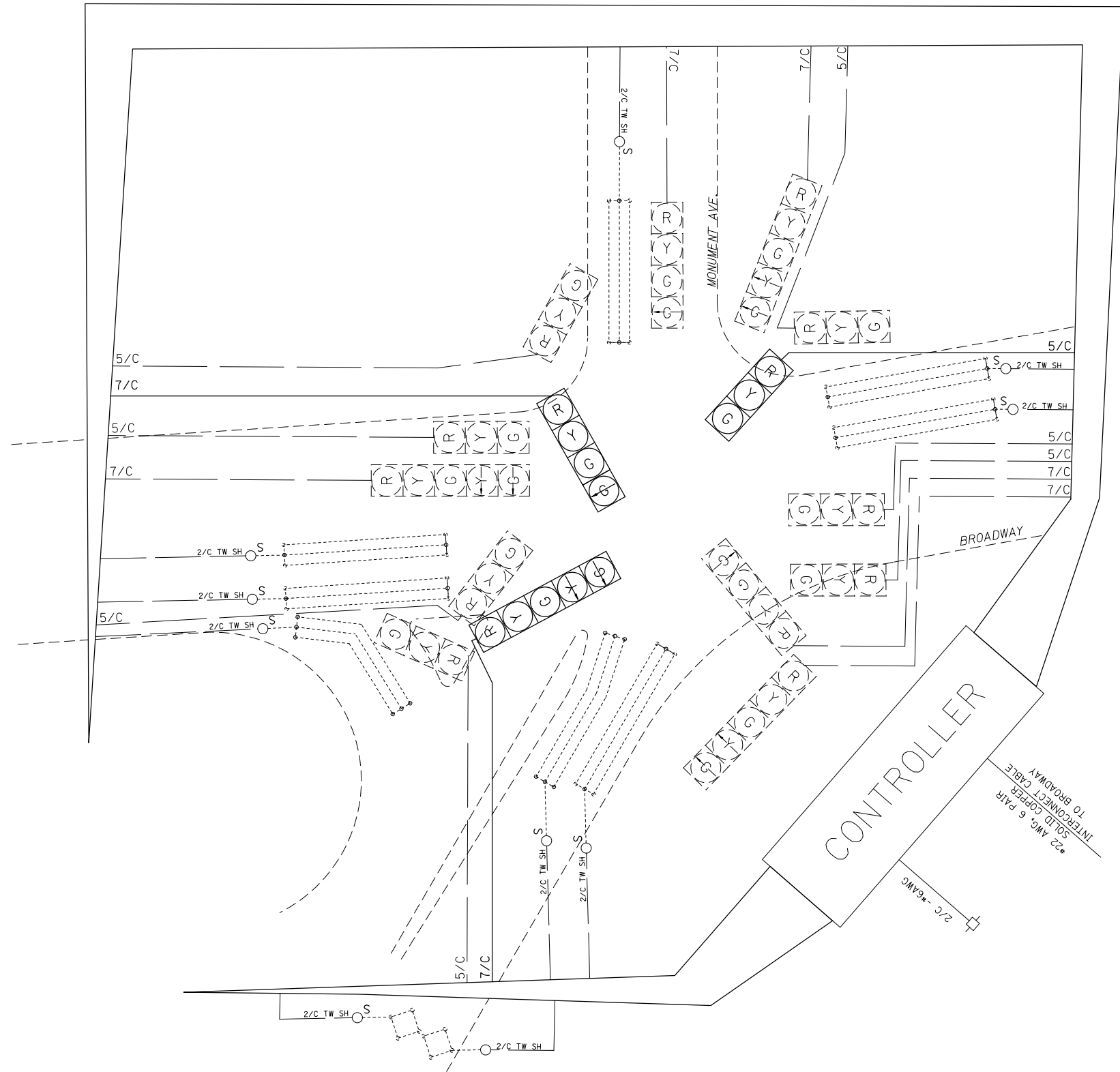


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- — — — EXISTING ELECTRIC CABLE IN CONDUIT
- S ——— EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	117
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	356
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	3
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2645

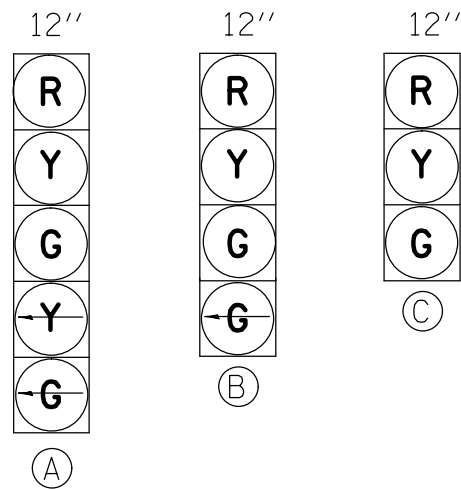
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 140 & MONUMENT (ALTON, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	45
*VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	←	↓	→	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXNW BM-EXHHO2, EX. 2" COND.-46'
 REM & RE ELCBL FR CON-120'
 REM & RE ELCBL FR CON-116'
 REM & RE ELCBL FR CON-100'
 ELCBL C SIGNAL 14 5C-62'
 ELCBL C SIGNAL 14 7C-62'
 SH P LED 2F 1-3 1-4 BM-1 (EACH)

EXHHO1-EXHHO2, EX. 2.5" COND.-57.5'
 11-REM & RE ELCBL FR CON-64' (EACH)
 ELCBL C SIGNAL 14 5C-64'
 ELCBL C SIGNAL 14 7C-64'

EXNE BM-EXHHO1, EX. 2" COND.-43'
 REM & RE ELCBL FR CON-115'
 REM & RE ELCBL FR CON-95'
 ELCBL C SIGNAL 14 5C-59'
 ELCBL C SIGNAL 14 7C-59'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHHO2-EXHHO3, EX. 3" COND.-83'
 21-REM & RE ELCBL FR CON-88' (EACH)
 2-ELCBL C SIGNAL 14 5C-88' (EACH)
 2-ELCBL C SIGNAL 14 7C-88' (EACH)

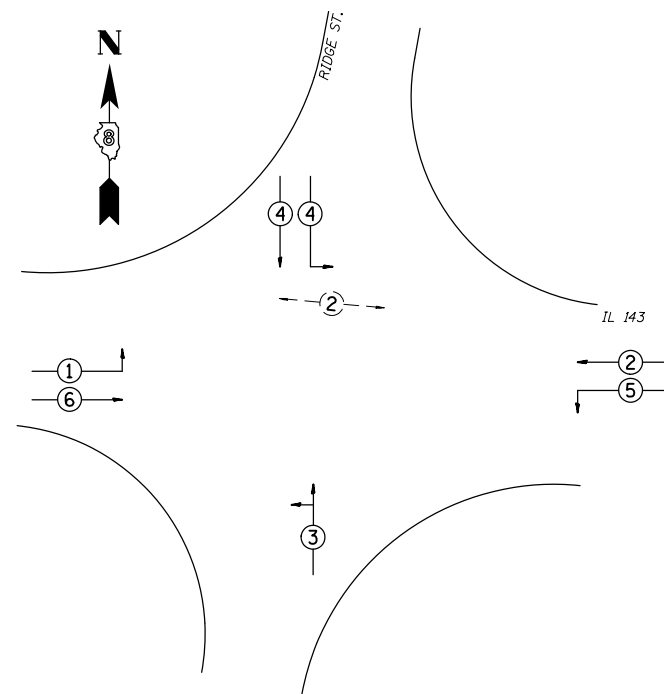
EXHHO3-EXDHHO1, EX. 4" COND.-37'
 38-REM & RE ELCBL FR CON-44' (EACH)
 3-ELCBL C SIGNAL 14 5C-44' (EACH)
 3-ELCBL C SIGNAL 14 7C-44' (EACH)

EXSW BM-EXDHHO1, EX. 2" COND.-6'
 REM & RE ELCBL FR CON-84'
 REM & RE ELCBL FR CON-58'
 ELCBL C SIGNAL 14 5C-22'
 ELCBL C SIGNAL 14 7C-22'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

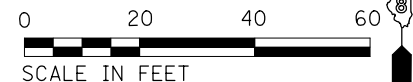
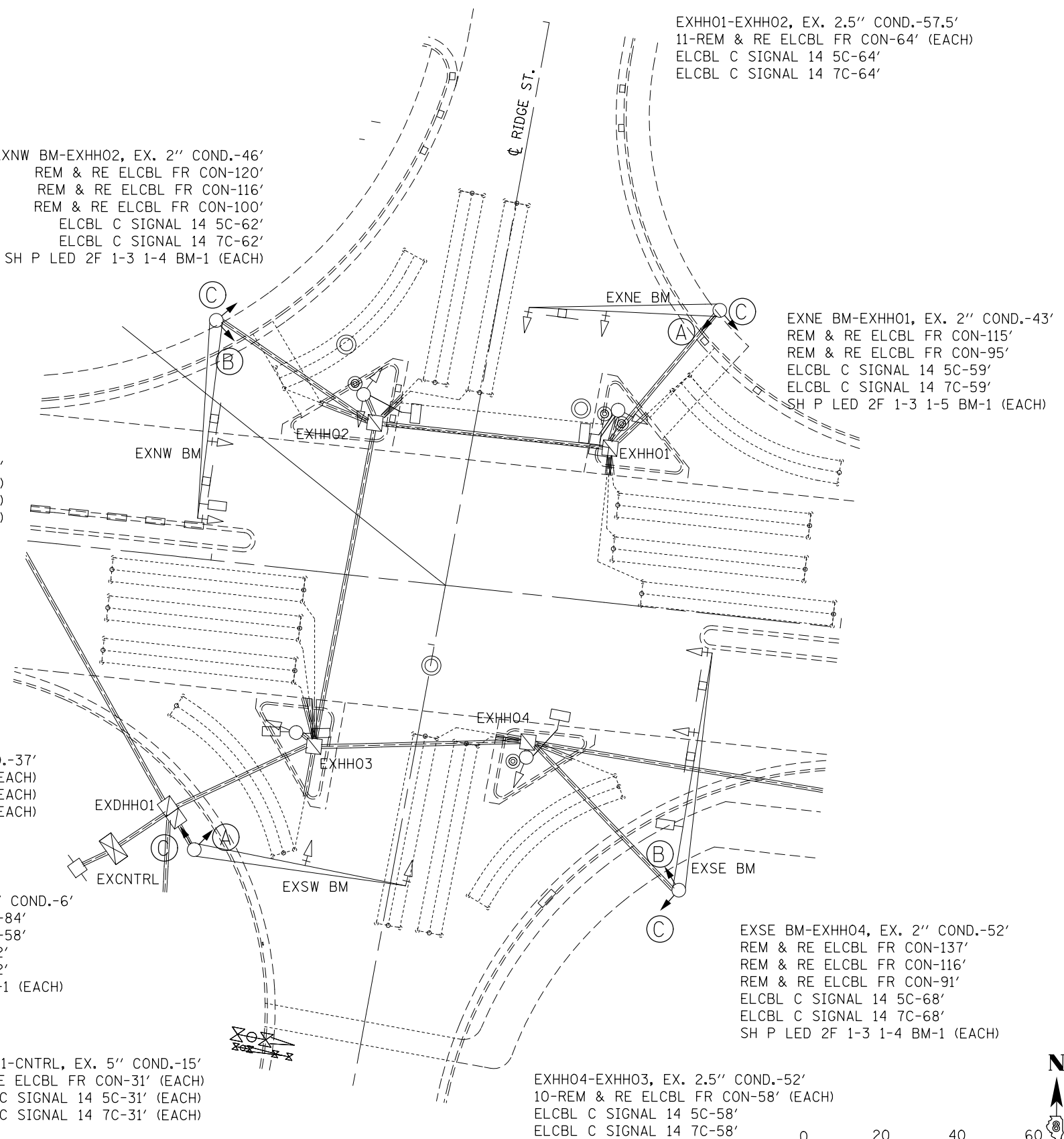
EXDHHO1-CNTRL, EX. 5" COND.-15'
 40-REM & RE ELCBL FR CON-31' (EACH)
 4-ELCBL C SIGNAL 14 5C-31' (EACH)
 4-ELCBL C SIGNAL 14 7C-31' (EACH)

EXHHO4-EXHHO3, EX. 2.5" COND.-52'
 10-REM & RE ELCBL FR CON-58' (EACH)
 ELCBL C SIGNAL 14 5C-58'
 ELCBL C SIGNAL 14 7C-58'

EXSE BM-EXHHO4, EX. 2" COND.-52'
 REM & RE ELCBL FR CON-137'
 REM & RE ELCBL FR CON-116'
 REM & RE ELCBL FR CON-91'
 ELCBL C SIGNAL 14 5C-68'
 ELCBL C SIGNAL 14 7C-68'
 SH P LED 2F 1-3 1-4 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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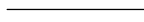

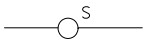


STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

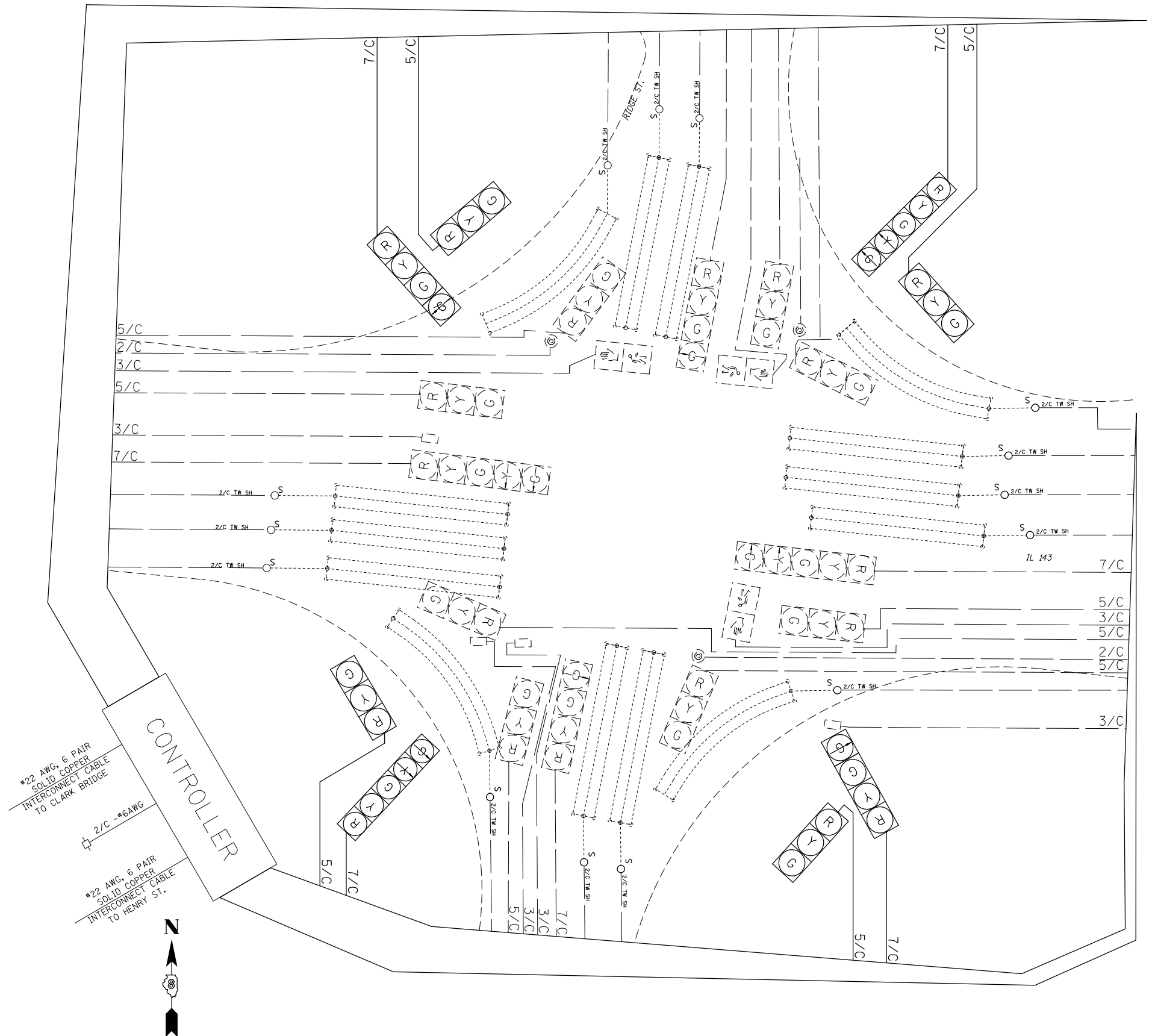
IL 143 & RIDGE (ALTON, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	46
*VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION
-  EXISTING LEFT TURN YIELD light sign



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	765
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	765
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502330	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	7076

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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		DATE -	REVISED -

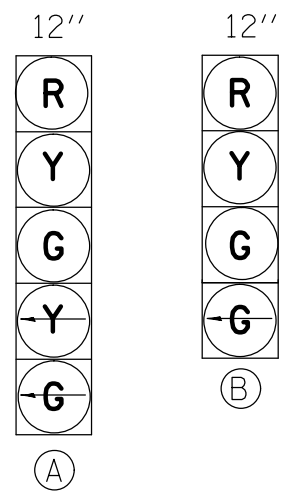
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 143 & RIDGE (ALTON, MADISON CNTY.)
WIRING DIAGRAM

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	47
• VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



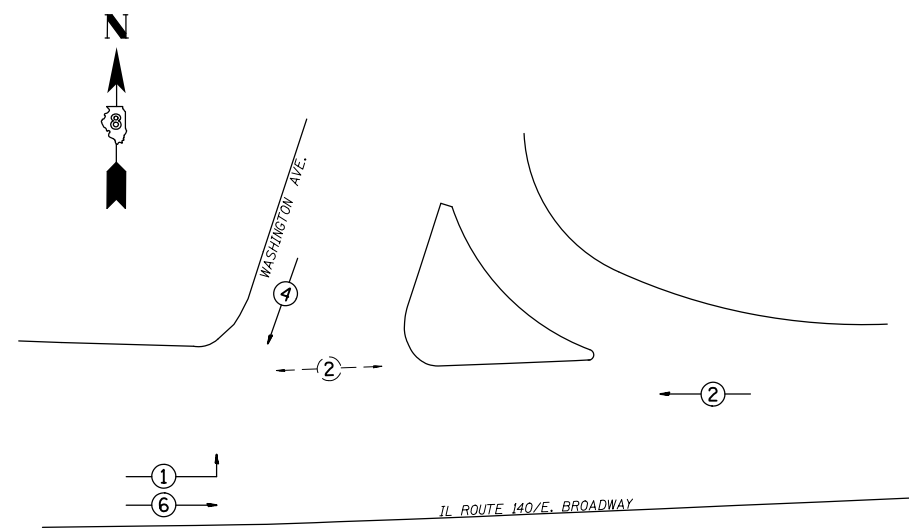
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

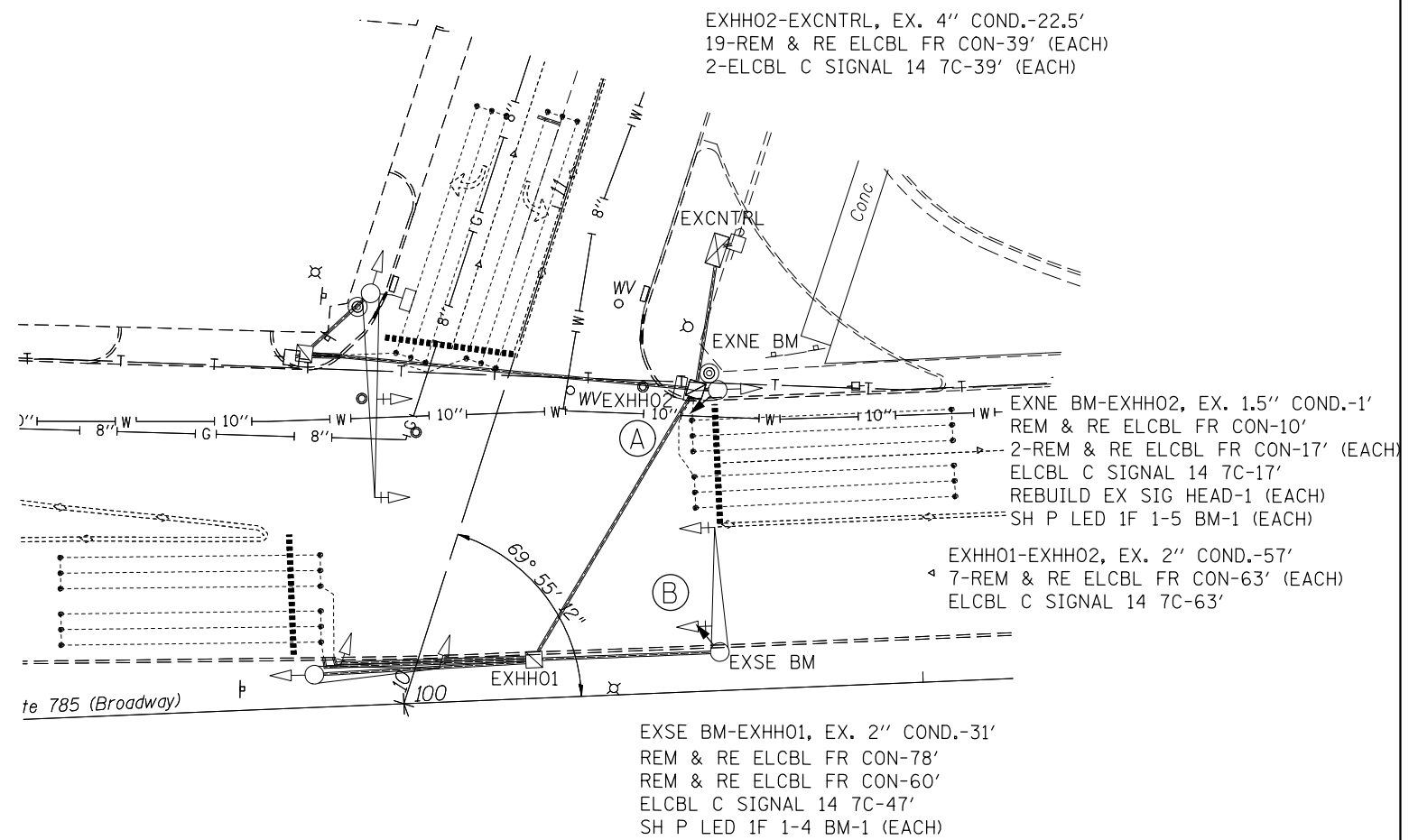
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↖	↔*	NOT USED	↙	NOT USED	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	6	6		NONE		1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM



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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 140 & WASHINGTON (ALTON, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	48
*VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- ^S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	205
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1364

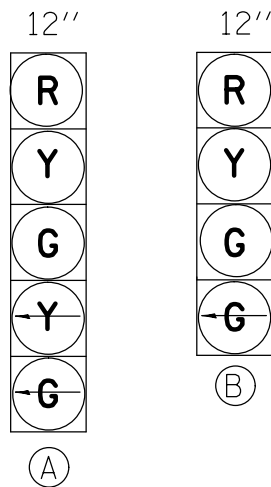
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 140 & WASHINGTON (ALTON, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	49
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



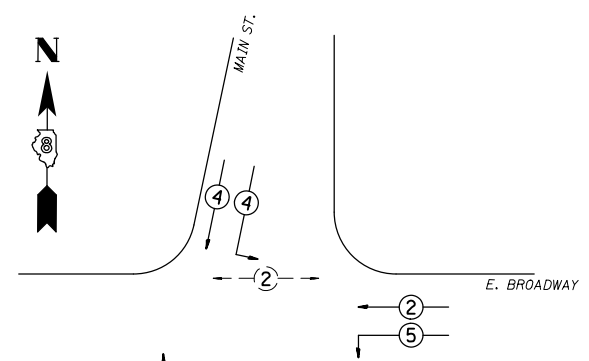
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

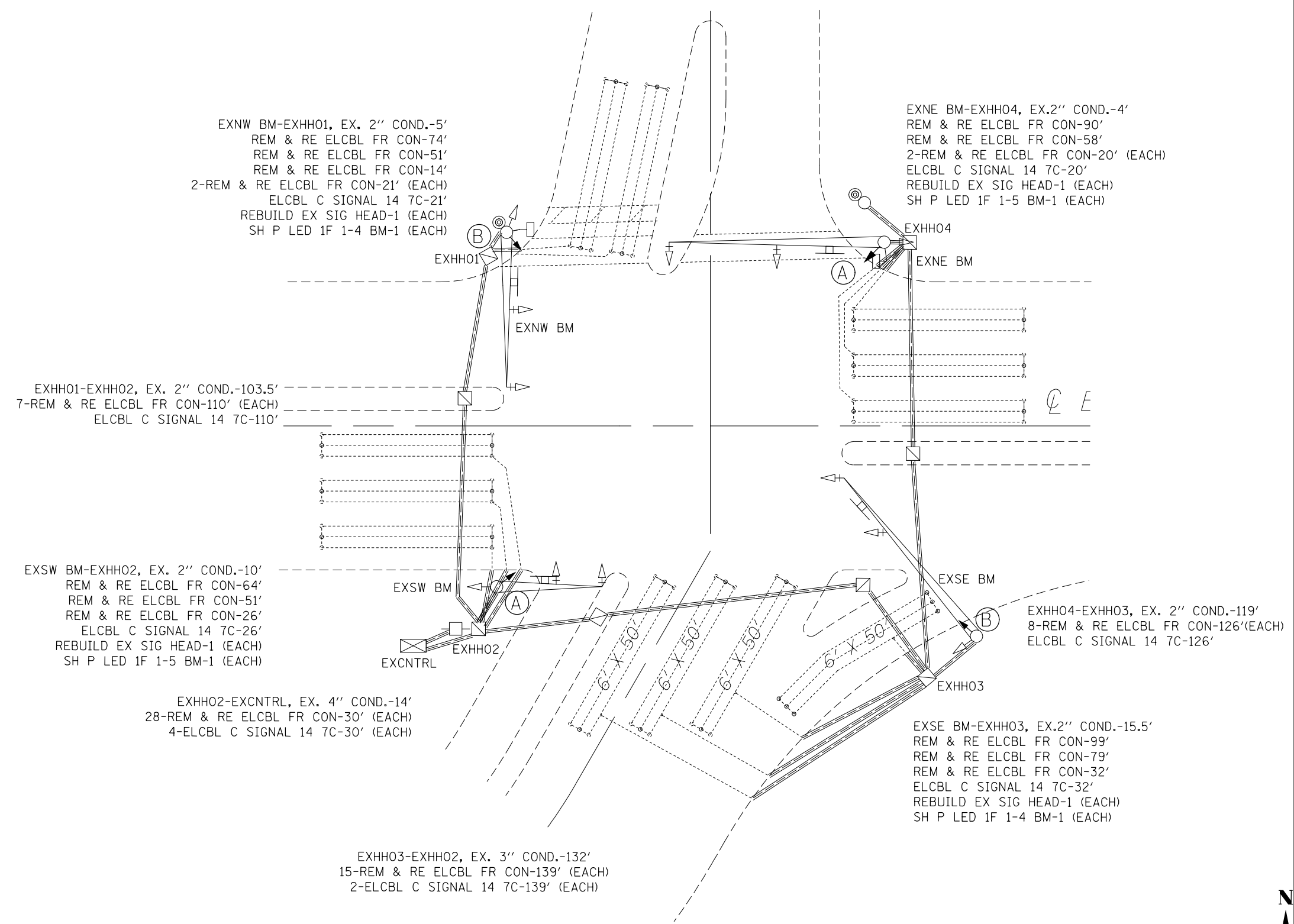
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	↗	↖	←	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



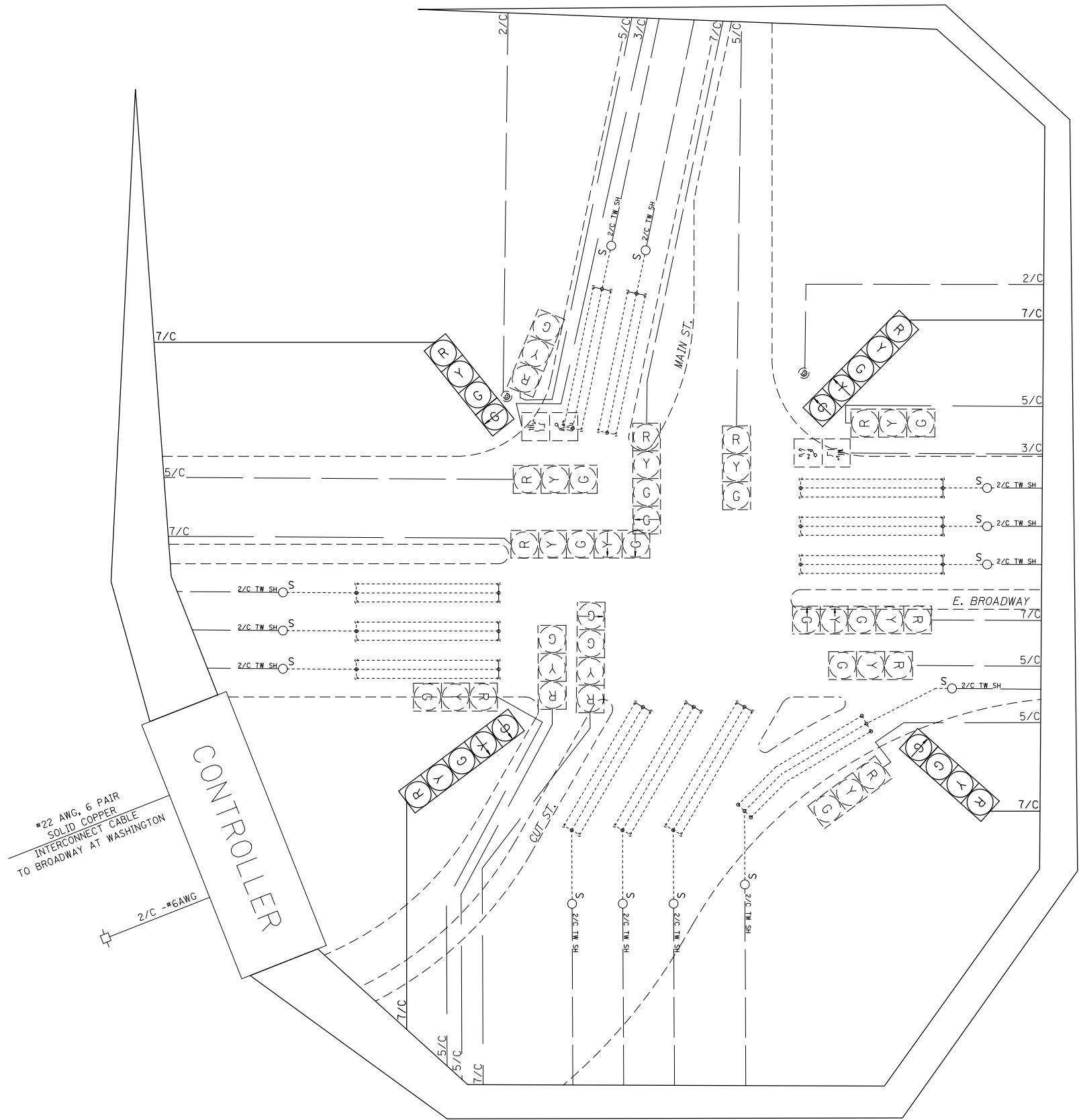
PHASE DESIGNATION DIAGRAM

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	733
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	5423

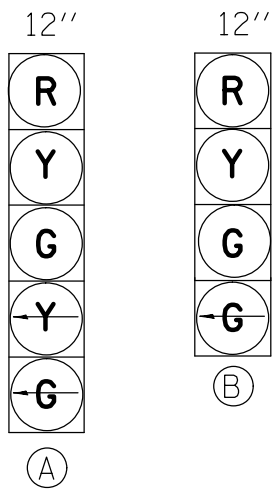
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	PLOT DATE = 3/18/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BROADWAY & MAIN (ALTON, MADISON CNTY.)
WIRING DIAGRAM**

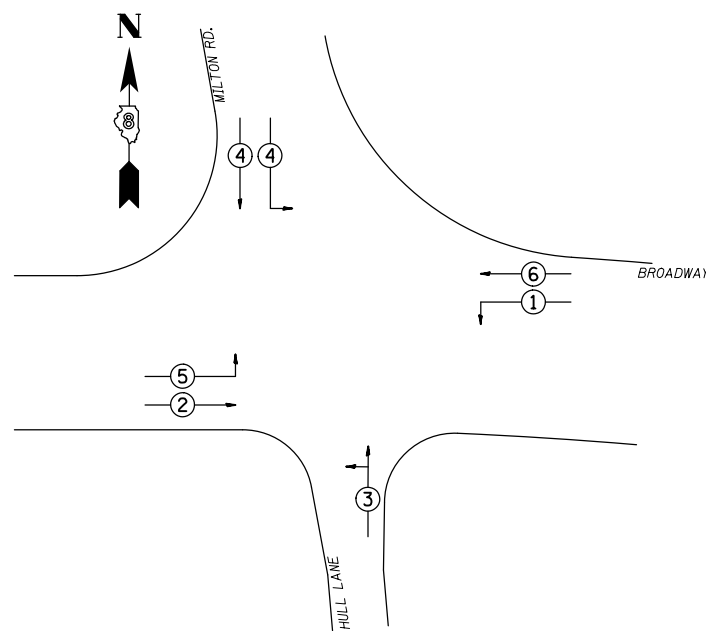
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



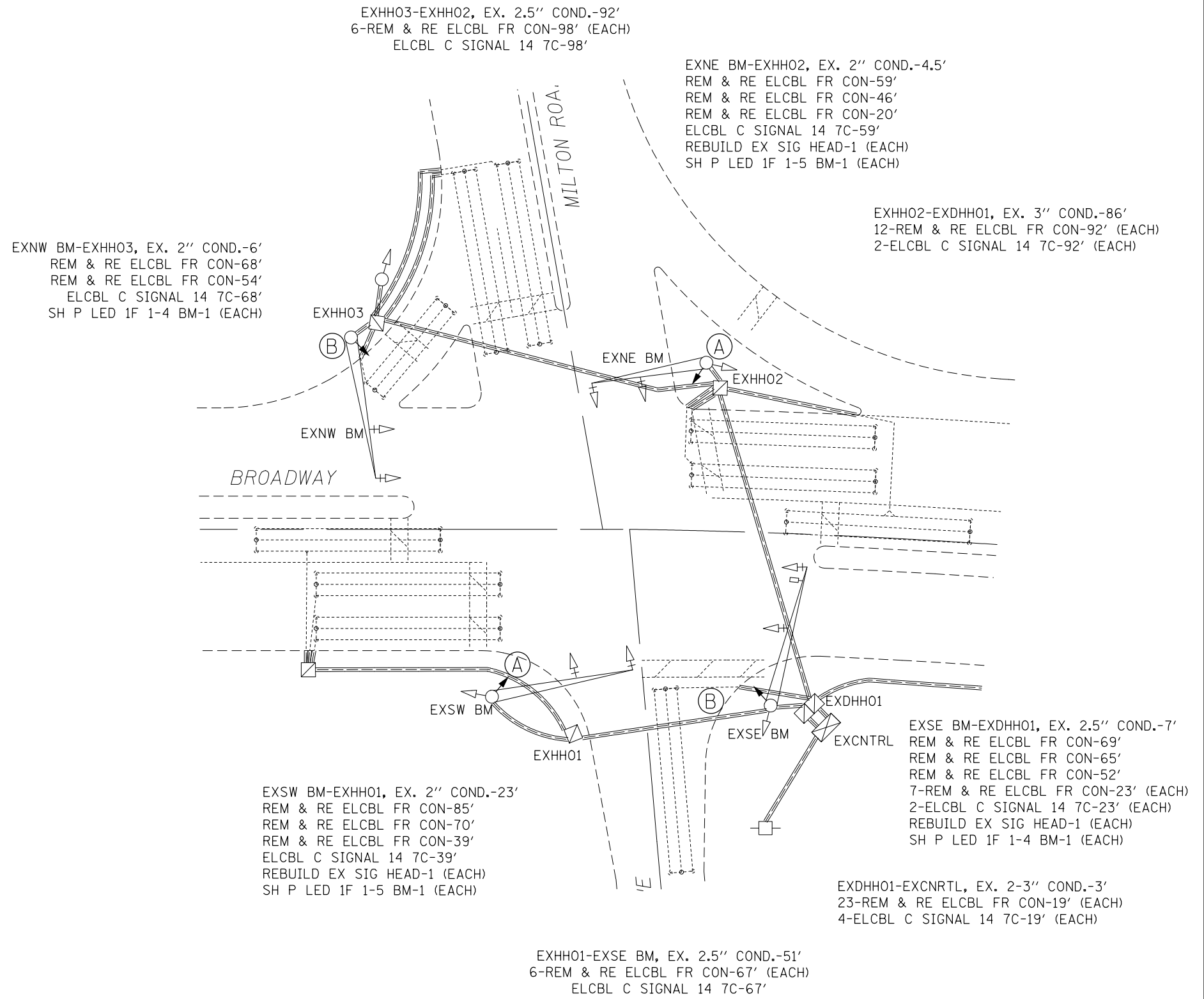
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		



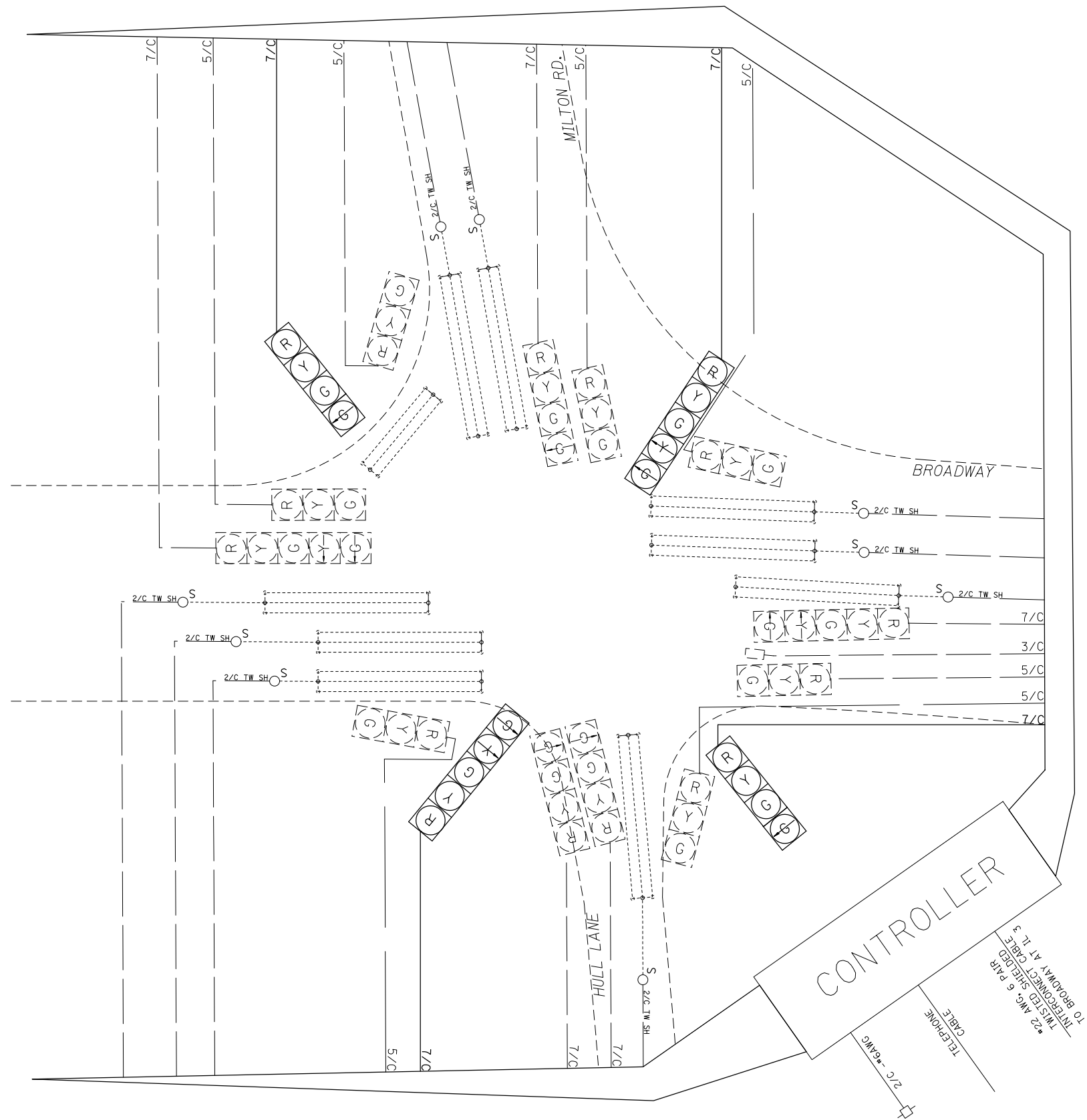
PHASE DESIGNATION DIAGRAM

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION
- EXISTING LEFT TURN YIELD light sign



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	552
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	3
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3338

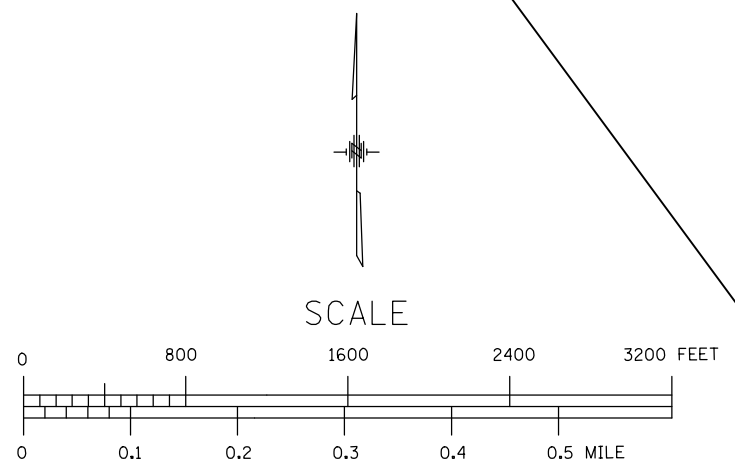
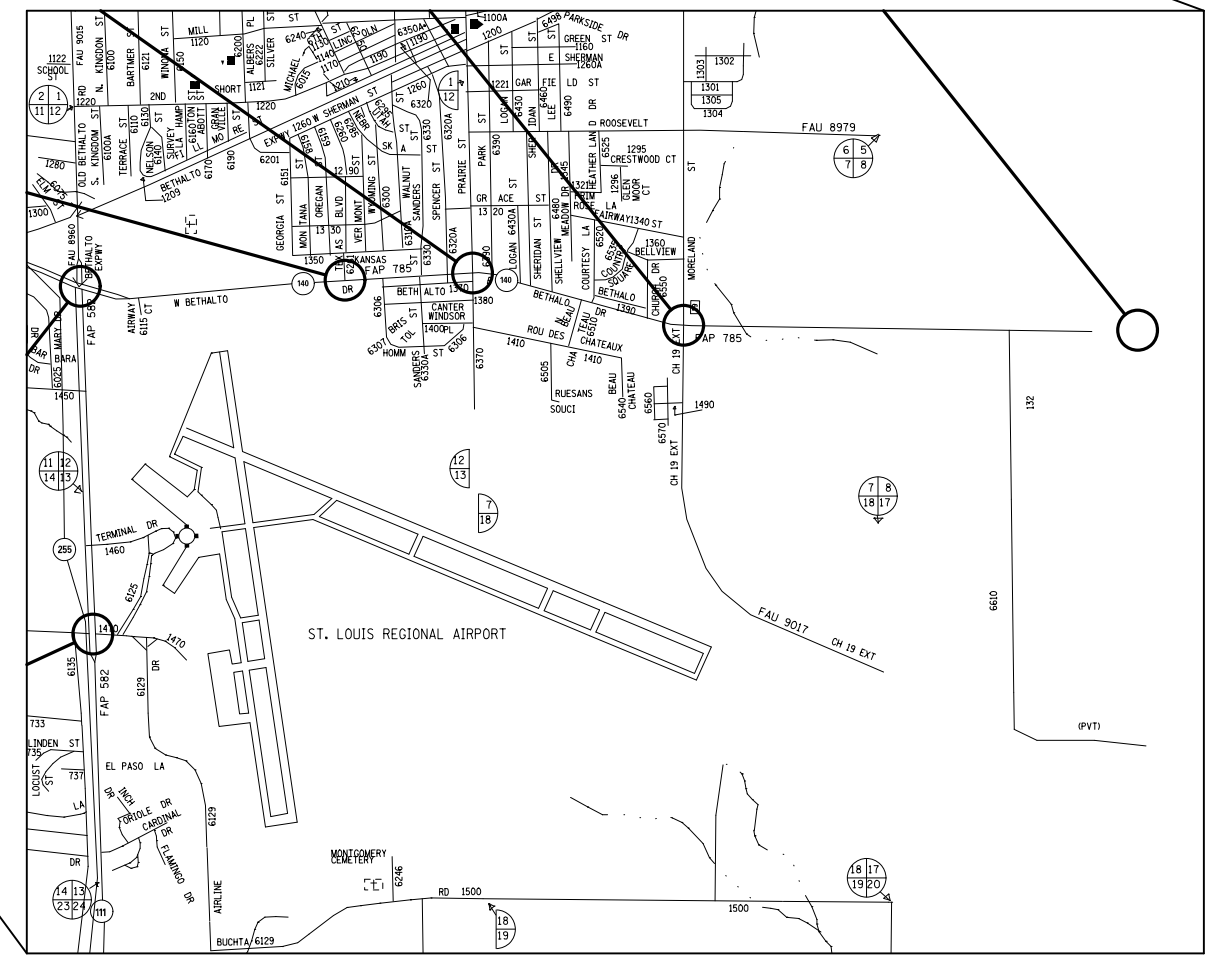
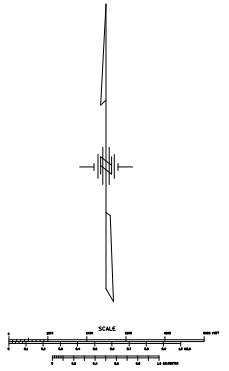
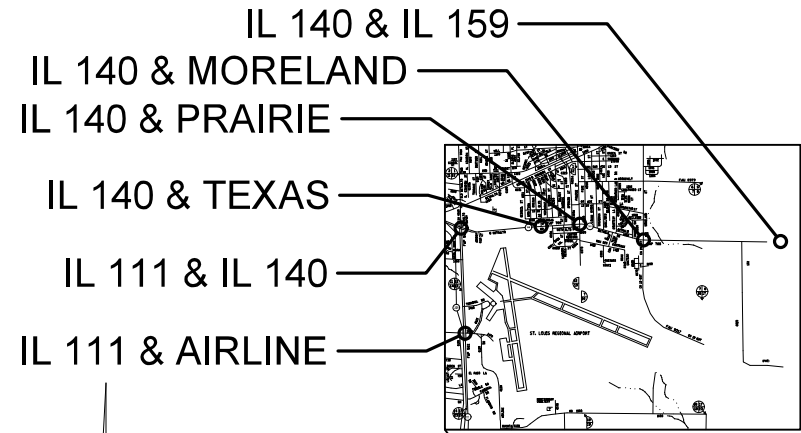
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	PLOT DATE = 3/18/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BROADWAY & MILTONHULL (ALTON, MADISON CNTY.)
WIRING DIAGRAM**

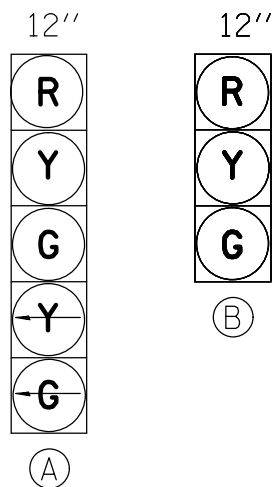
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	53
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP BETHALTO, MADISON CNTY.				RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -		•=VARIOUS				CONTRACT NO. 76J21				
	PLOT DATE = 3/18/2016	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

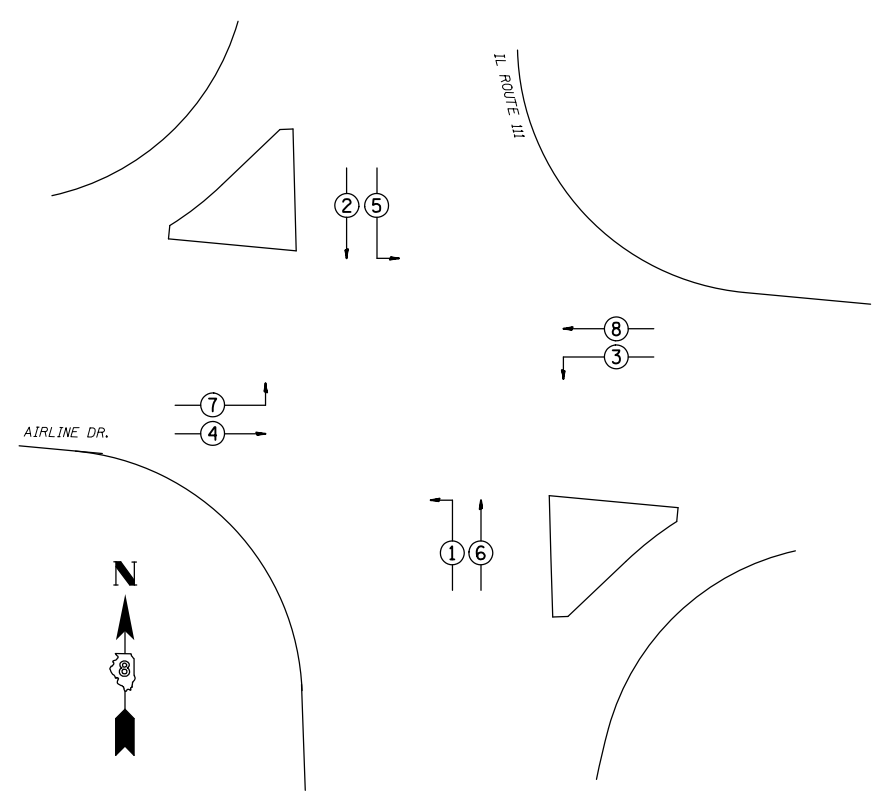


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↙	↓	↘	→	↘	↑	↗	←
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH03, EX. 2.5" COND.-21'
 REM & RE ELCBL FR CON-92'
 REM & RE ELCBL FR CON-69'
 ELCBL C SIGNAL 14 5C-37'
 ELCBL C SIGNAL 14 7C-37'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH01-EXHH02, EX. 3" COND.-99'
 9-REM & RE ELCBL FR CON-106' (EACH)
 ELCBL C SIGNAL 14 7C-106'

EXSW BM-EXHH01, EX. 2.5" COND.-22'
 REM & RE ELCBL FR CON-90'
 REM & RE ELCBL FR CON-80'
 REM & RE ELCBL FR CON-66'
 ELCBL C SIGNAL 14 7C-38'
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH03-EXHH02, EX. 2.5" COND.-35'
 5-REM & RE ELCBL FR CON-41' (EACH)
 ELCBL C SIGNAL 14 5C-41'
 ELCBL C SIGNAL 14 7C-41'

EXHH02-EXDHH01, EX. 4" COND.-113'
 18-REM & RE ELCBL FR CON-119' (EACH)
 ELCBL C SIGNAL 14 5C-119'
 2-ELCBL C SIGNAL 14 7C-119' (EACH)

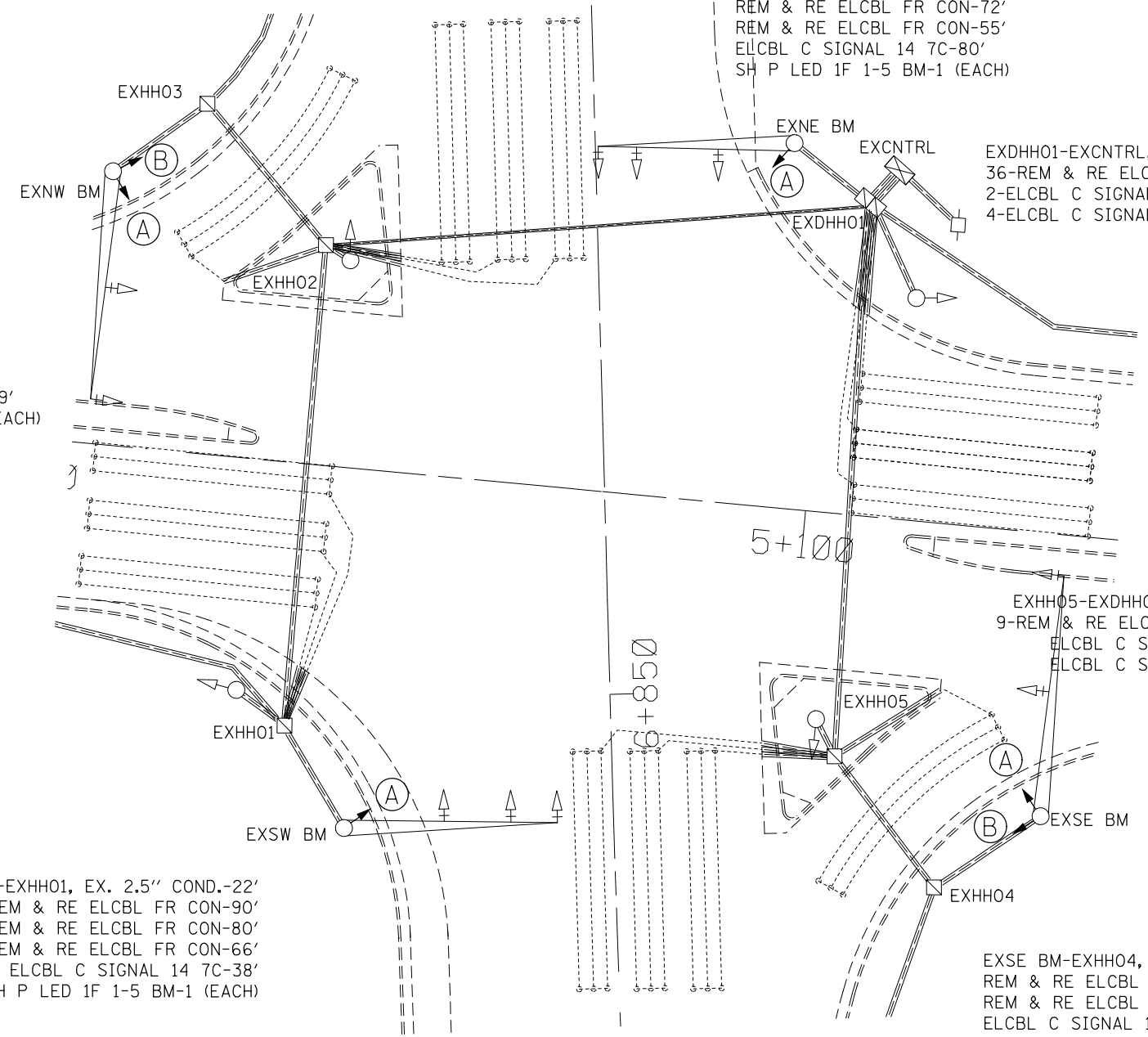
EXNE BM-EXDHH01, EX. 2.5" COND.-16'
 REM & RE ELCBL FR CON-80'
 REM & RE ELCBL FR CON-72'
 REM & RE ELCBL FR CON-55'
 ELCBL C SIGNAL 14 7C-80'
 SH P LED 1F 1-5 BM-1 (EACH)

EXDHH01-EXCNTRL, EX. 2-4" COND.-6'
 36-REM & RE ELCBL FR CON-22' (EACH)
 2-ELCBL C SIGNAL 14 5C-22' (EACH)
 4-ELCBL C SIGNAL 14 7C-22' (EACH)

EXHH05-EXDHH01, EX. 3" COND.-115'
 9-REM & RE ELCBL FR CON-121' (EACH)
 ELCBL C SIGNAL 14 5C-121'
 ELCBL C SIGNAL 14 7C-121'

EXSE BM-EXHH04, EX. 2.5" COND.-24'
 REM & RE ELCBL FR CON-98'
 REM & RE ELCBL FR CON-73'
 ELCBL C SIGNAL 14 5C-40'
 ELCBL C SIGNAL 14 7C-98'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH04-EXHH05, EX. 2.5" COND.-31'
 4-REM & RE ELCBL FR CON-37' (EACH)
 ELCBL C SIGNAL 14 5C-37'
 ELCBL C SIGNAL 14 7C-37'



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		DATE -	REVISED -

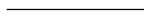

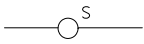
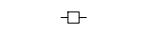

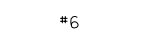
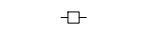
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

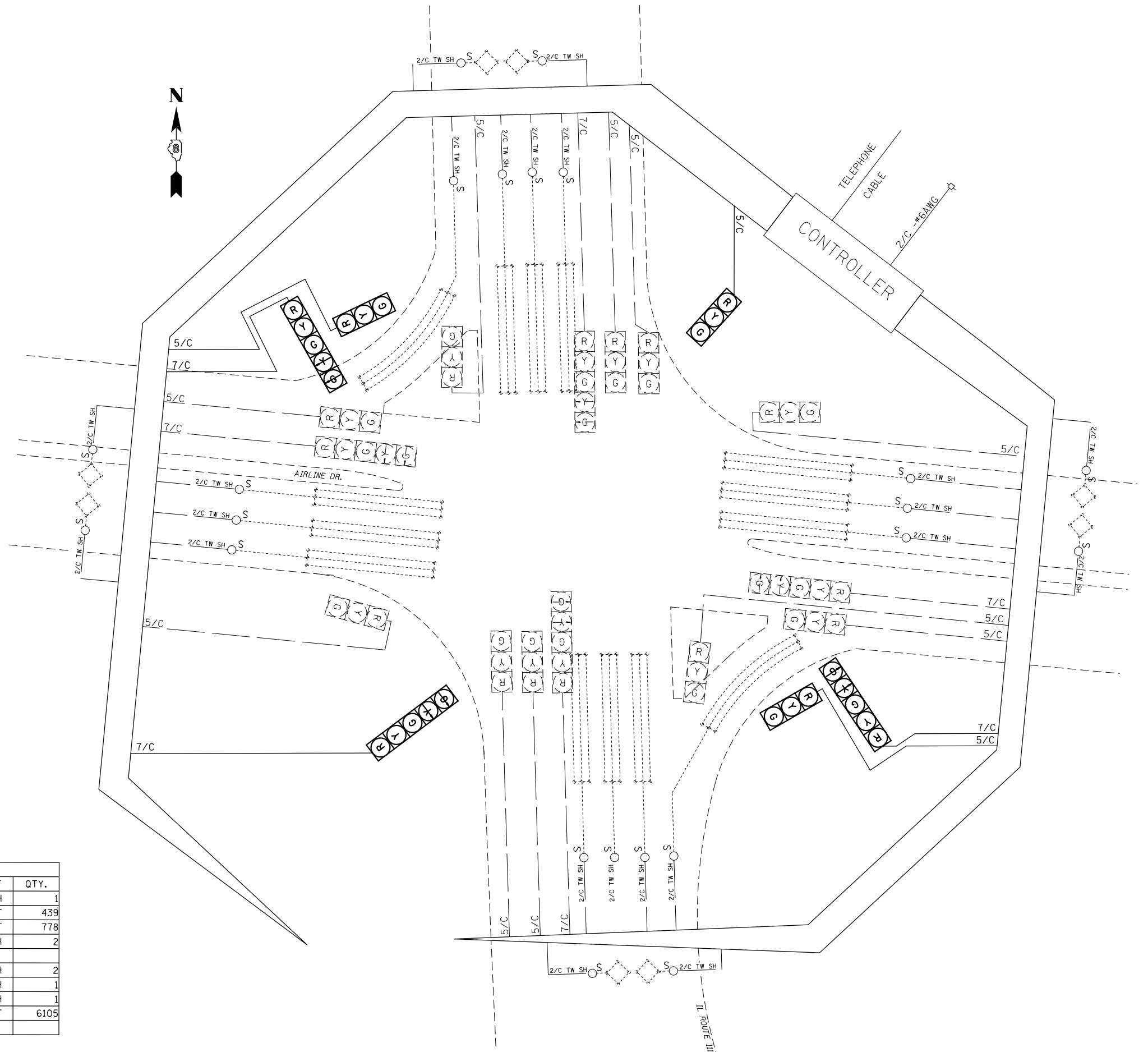
IL 111 & AIRLINE (BETHALTO, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	55
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
-  INDICATES NUMBER OF CONDUCTORS IN CABLE
-  TWISTED AND SHIELDED CABLE
-  INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	439
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	778
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	6105

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 111 & AIRLINE (BETHALTO, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2016-2	•	126	56
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

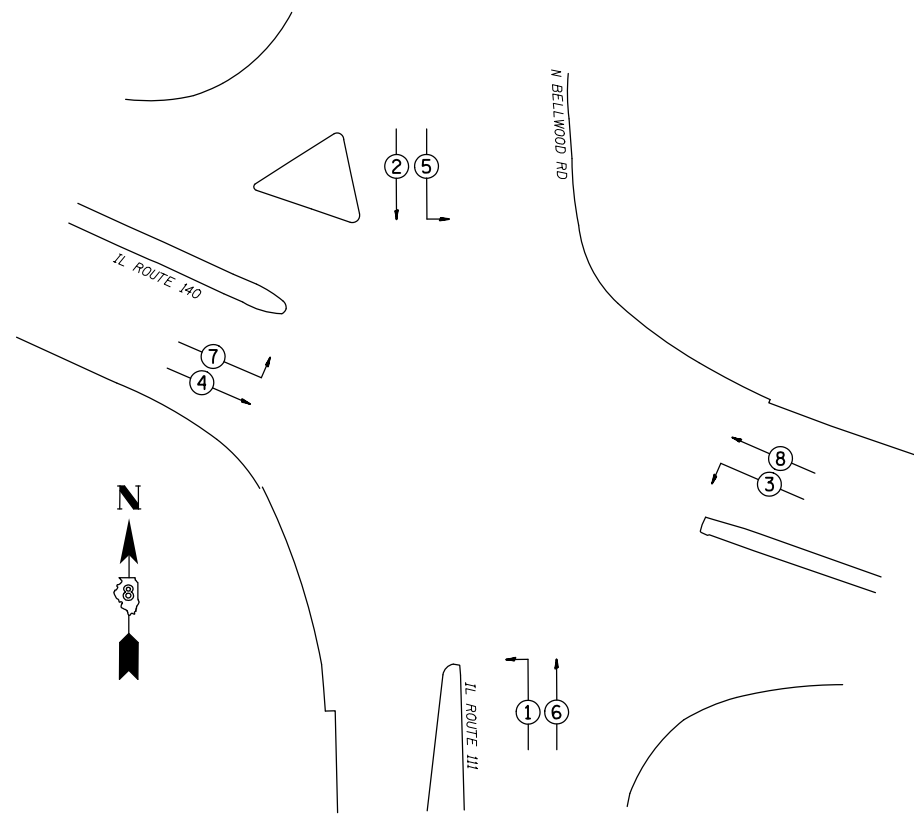
12"
R
Y
G
A

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

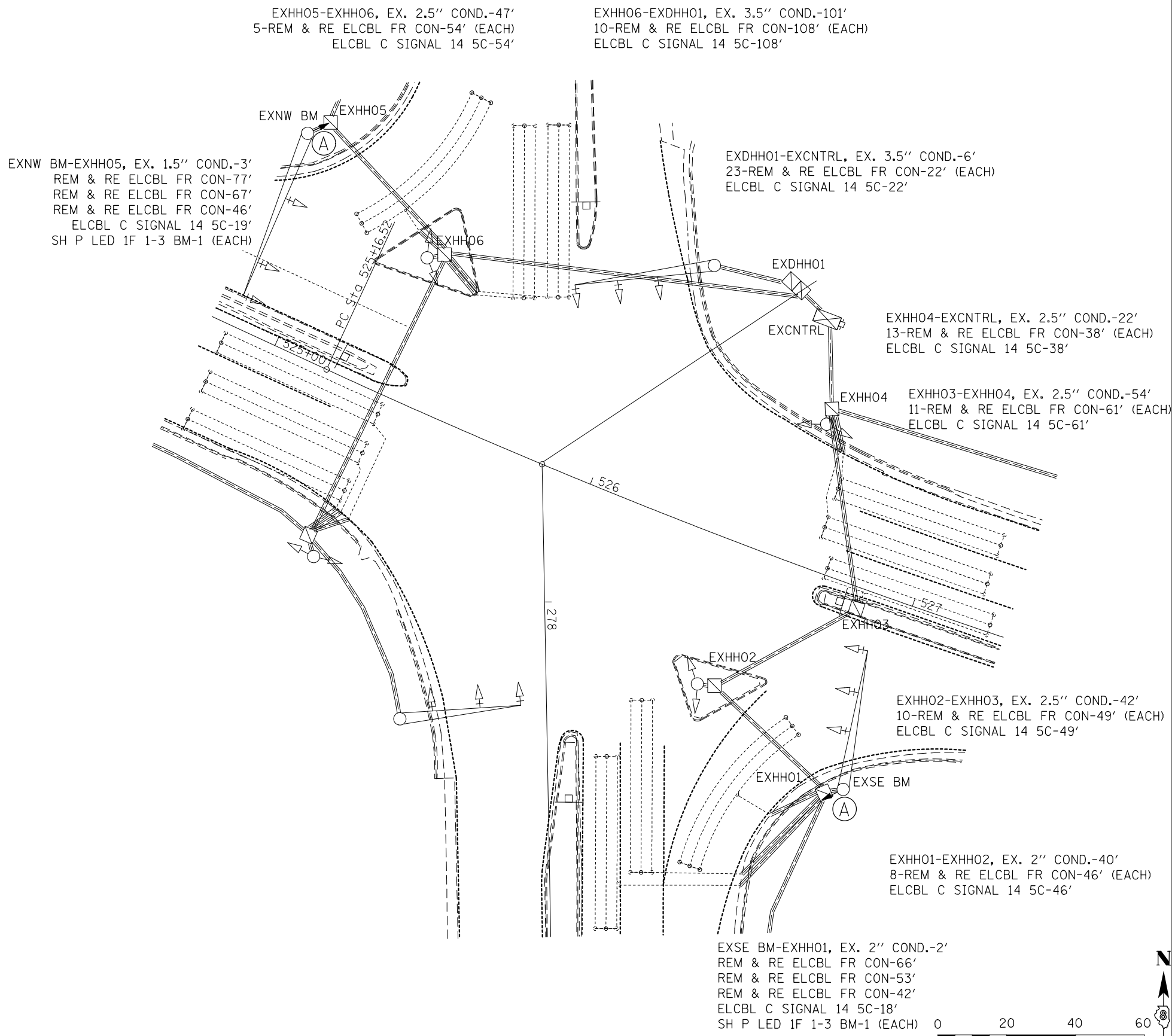
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER



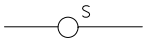
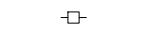
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↶	↵	↷	↷	↶	↵	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

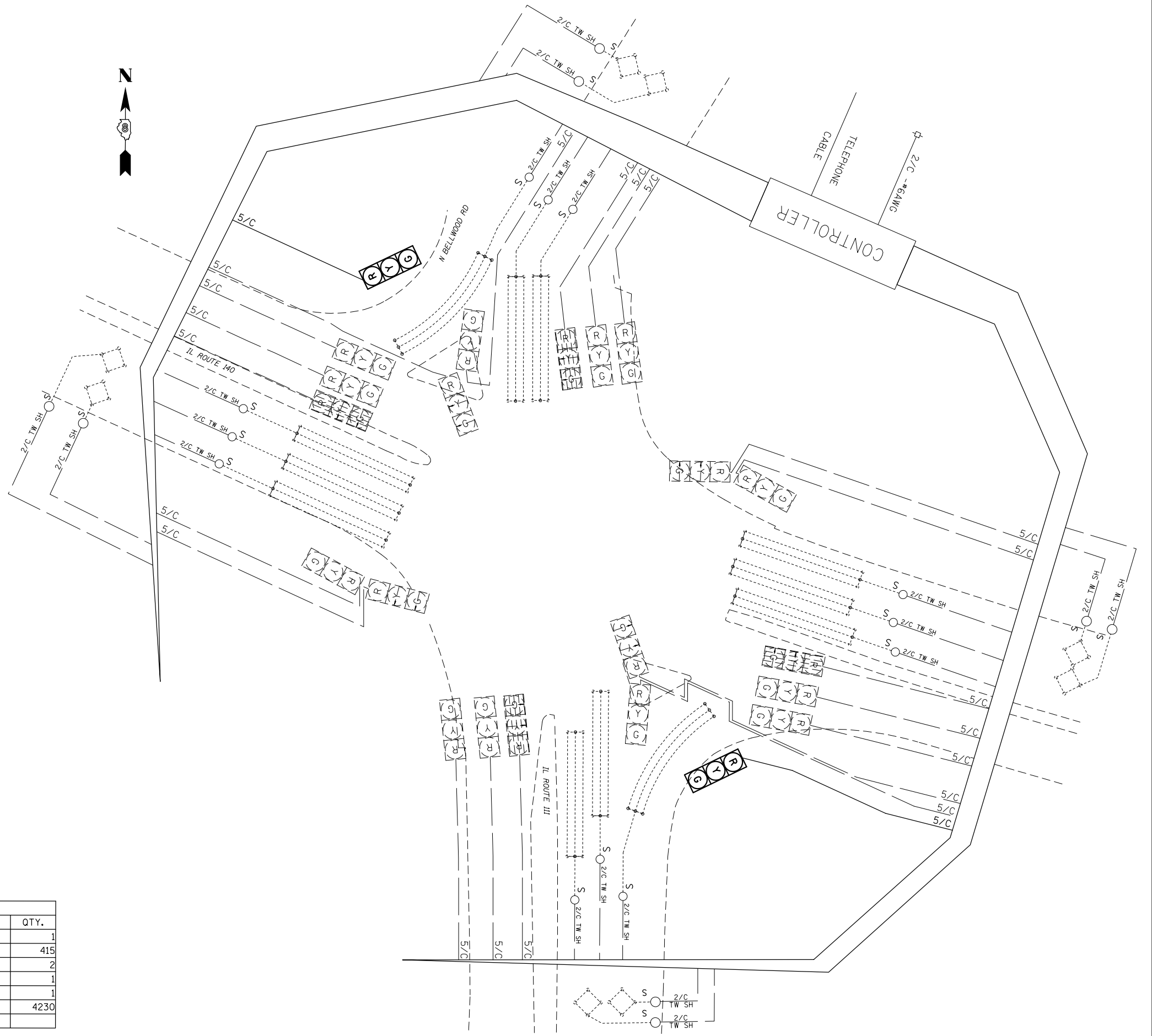


PHASE DESIGNATION DIAGRAM



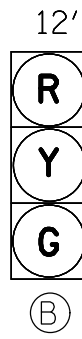
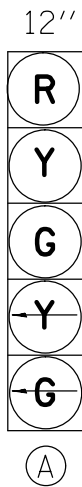
CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	415
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4230

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

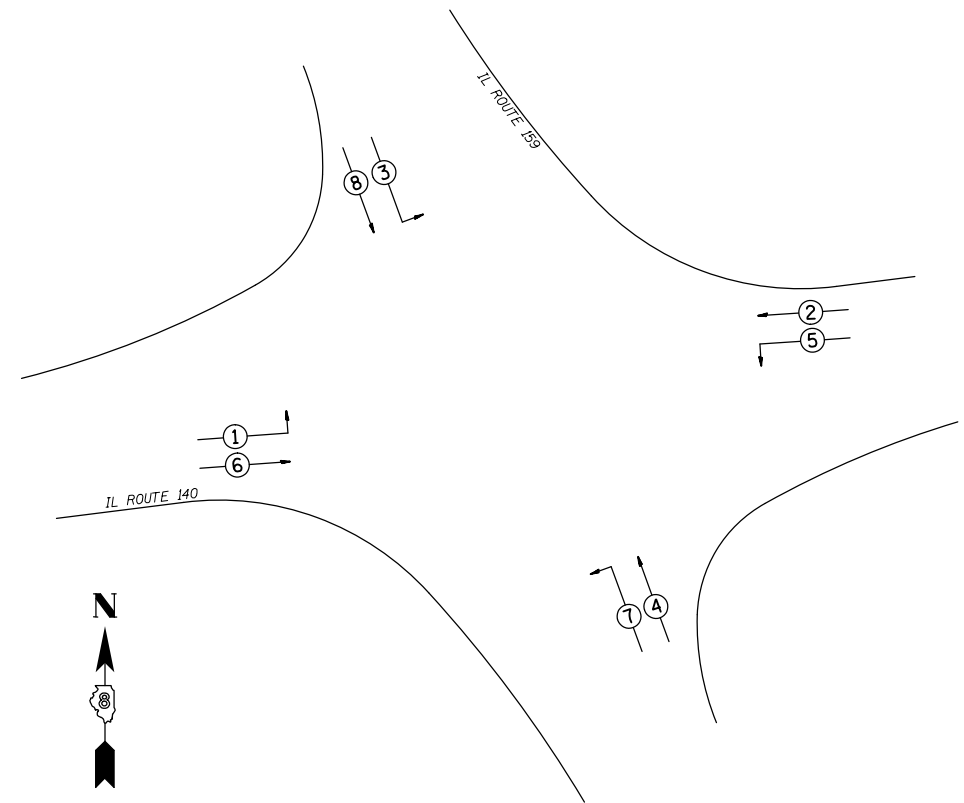


PROPOSED TRAFFIC SIGNAL FACES

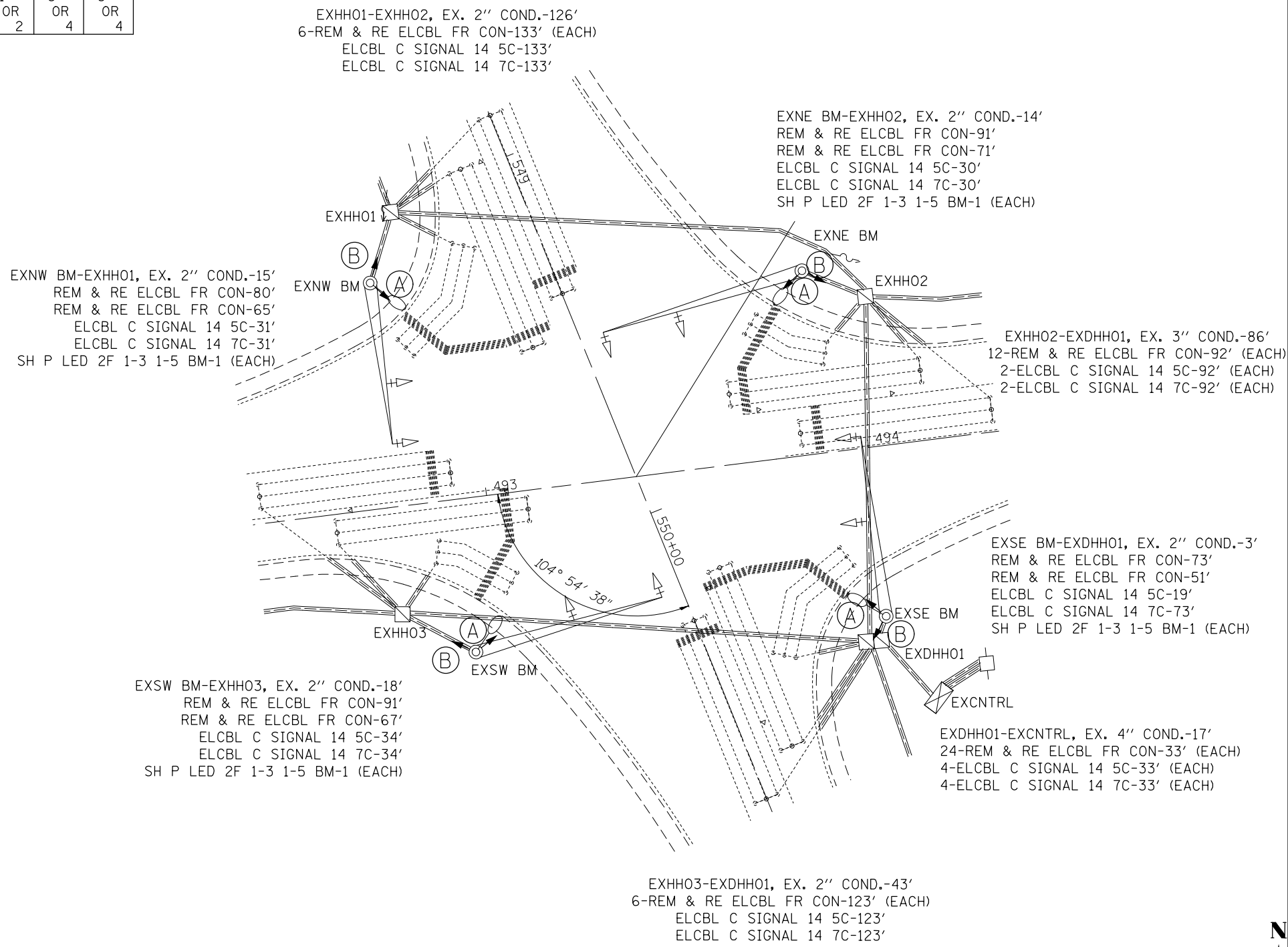
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION



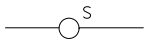

PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4



PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	686
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	686
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4021

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 PLOT DATE = 3/18/2016 DATE - REVISED -

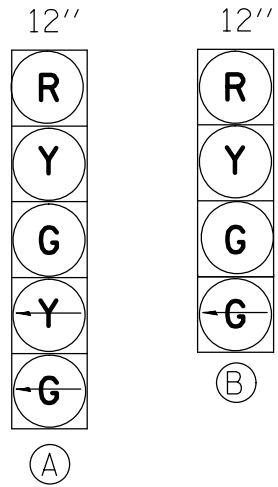
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 140 & IL 159 (BETHALTO, MADISON CNTY.)
 WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	60
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

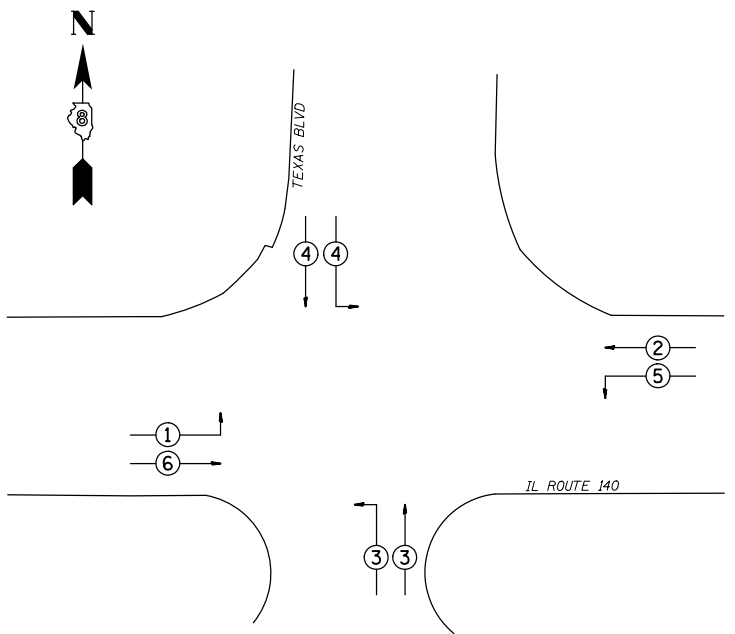
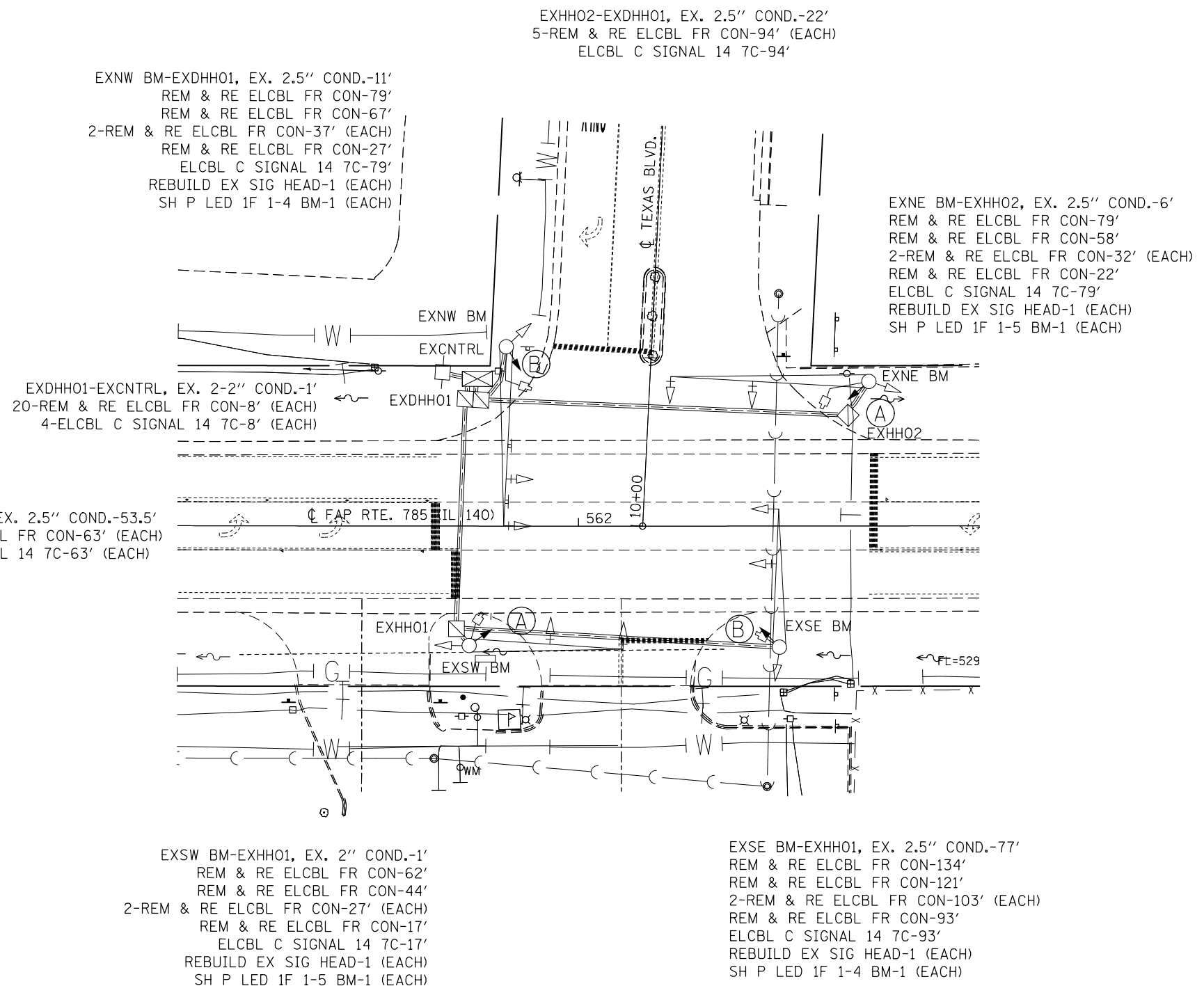
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

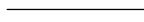

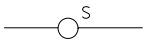


EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT							NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

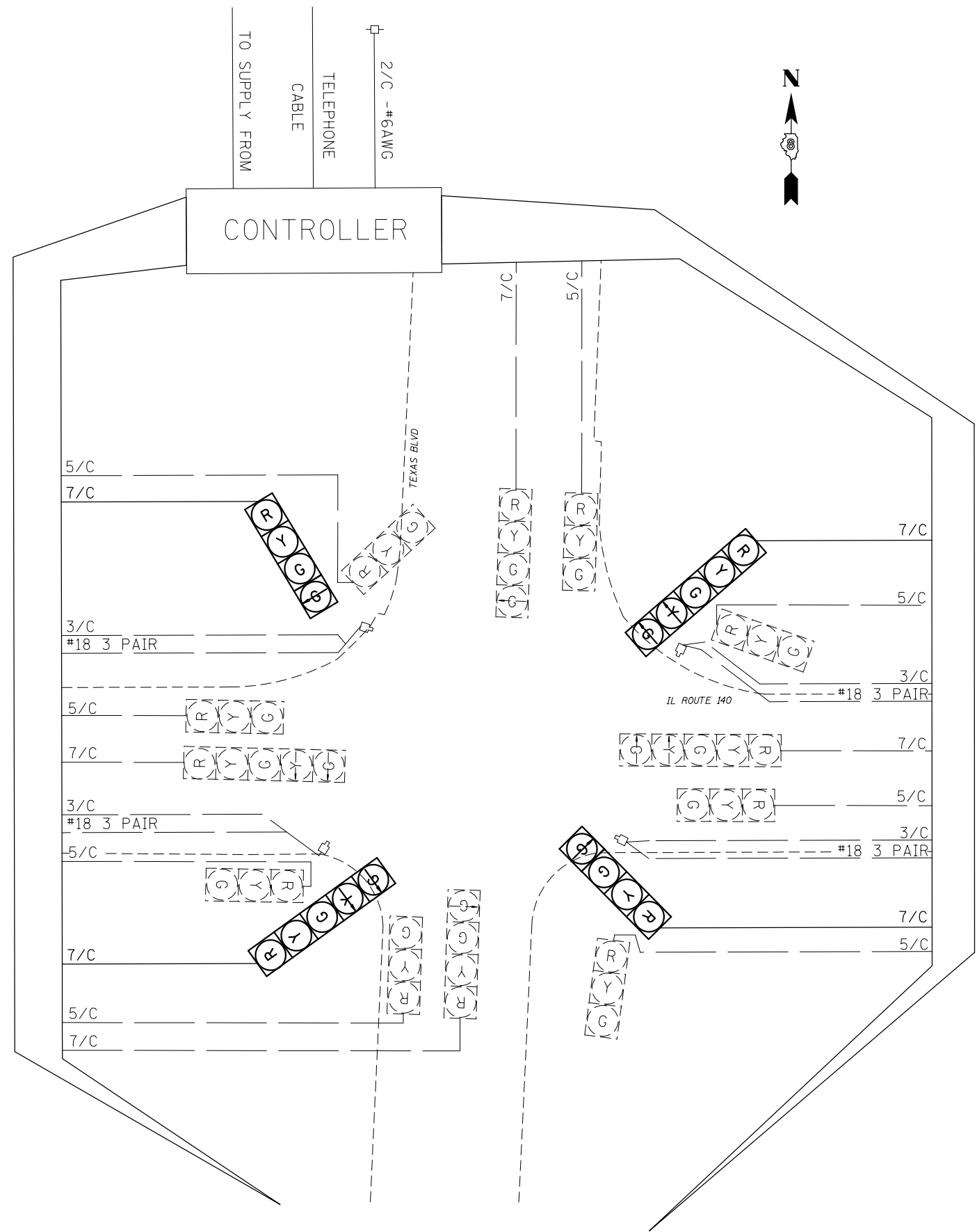


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION
-  EXISTING VIDEO DETECTOR SYSTEM



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	411
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2461

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	PLOT DATE = 3/18/2016		

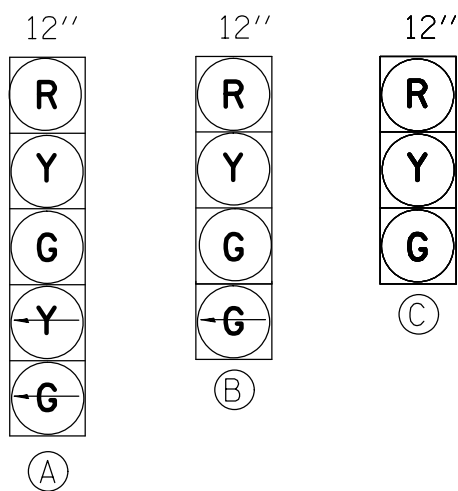
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 140 & TEXAS (BETHALTO, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	62
•=VARIOUS		CONTRACT NO. 76J21		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



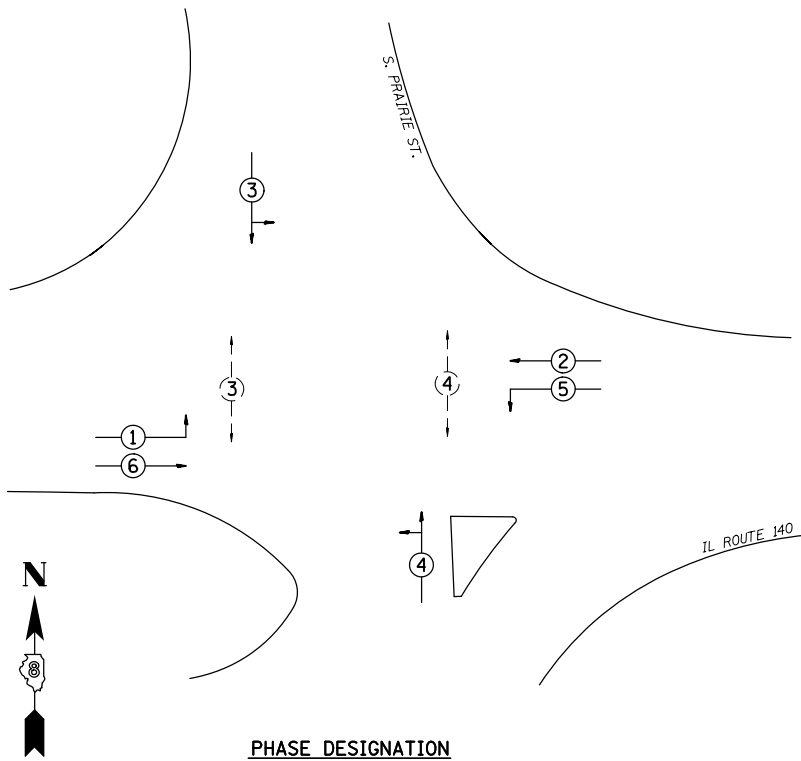
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

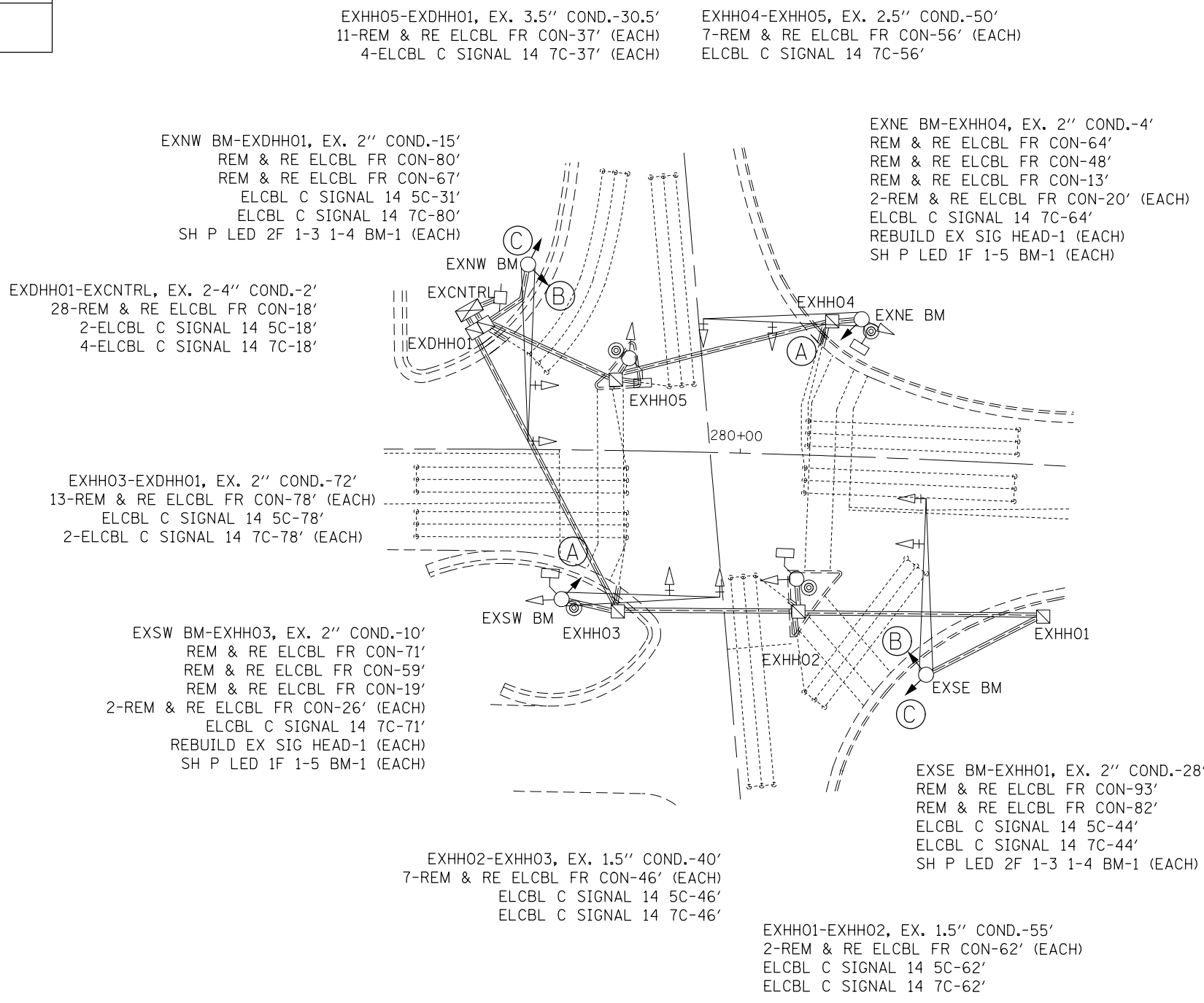
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↗	←	↕*	↔*	↘	→	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDESTRIAN MOVEMENT ONLY WHEN ACTIVATED

PROPOSED TRAFFIC SIGNAL FACES

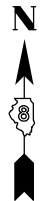
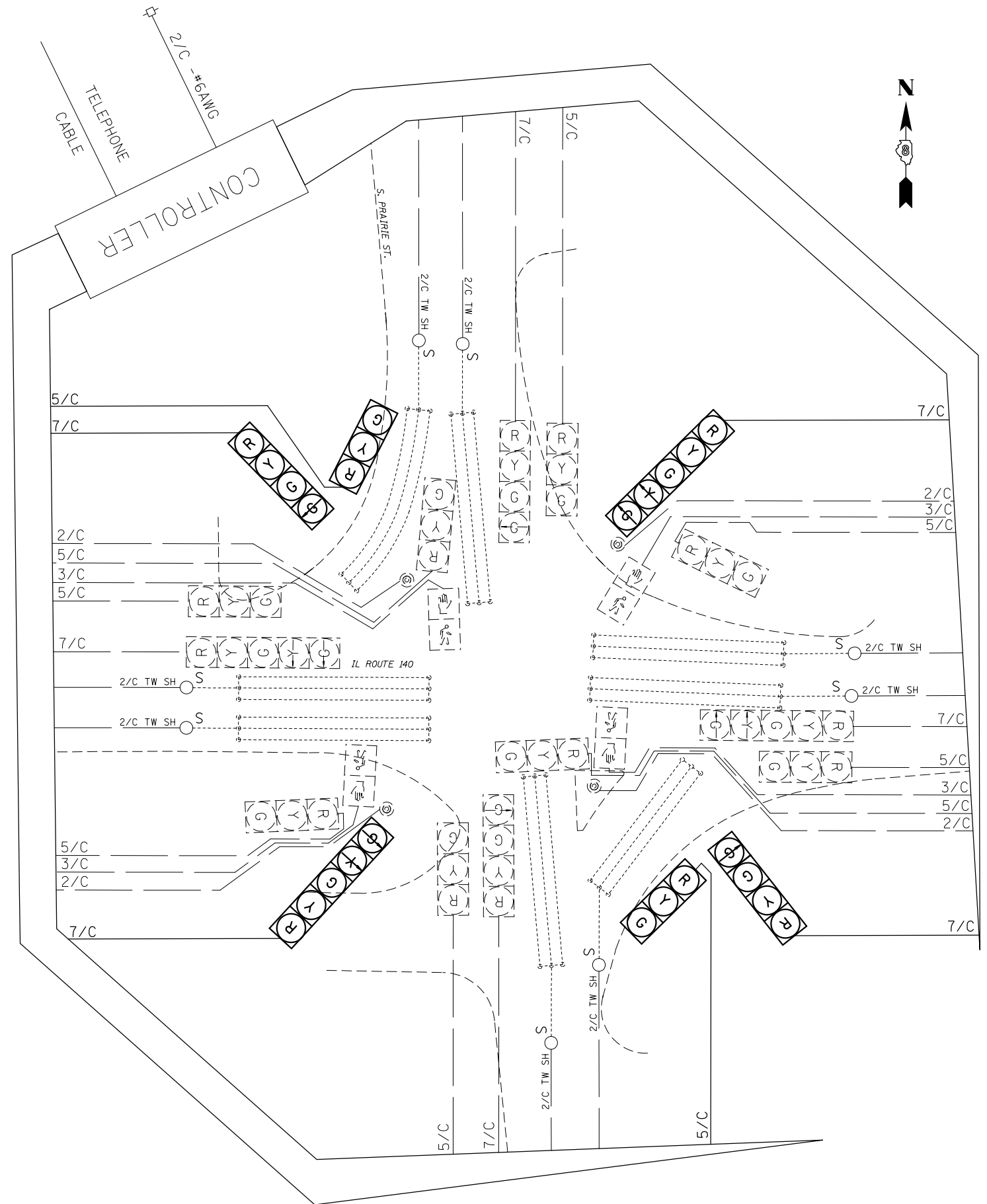


PHASE DESIGNATION DIAGRAM



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
7010264	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
8730124	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	297
8730125	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	661
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3451

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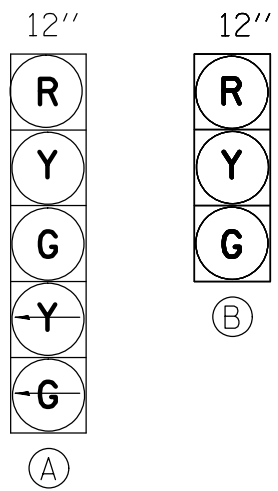
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 140 & PRAIRIE (BETHALTO, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	64
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



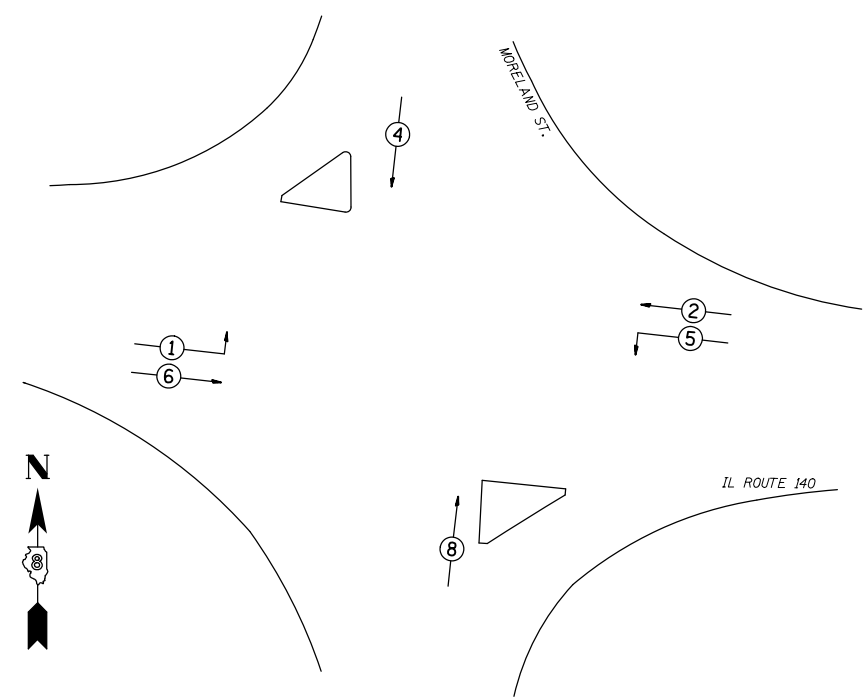
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

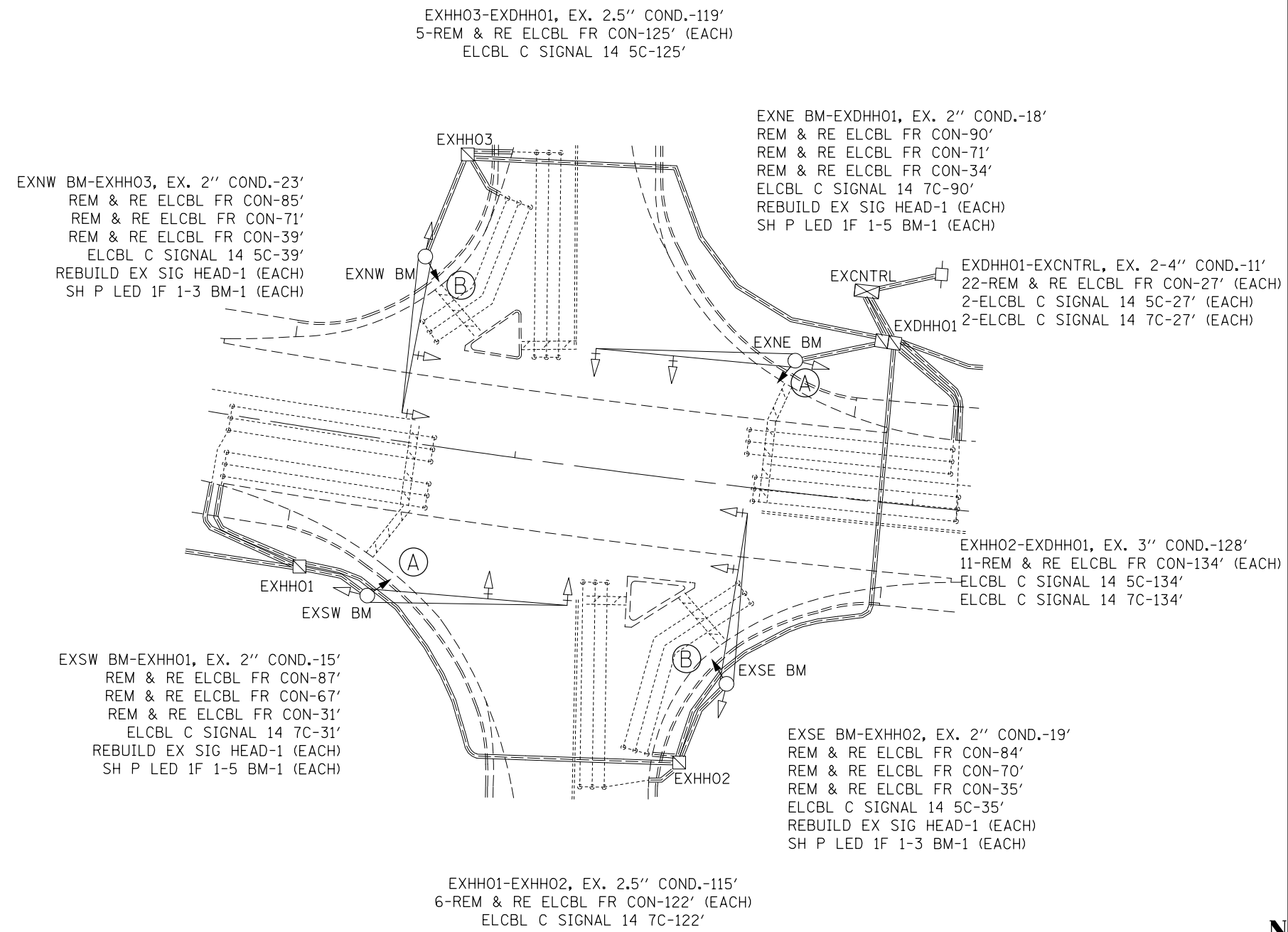
PHASE	1	2	3	4	5	6	7	8
MOVEMENT			NOT USED				NOT USED	
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

NOTE: PHASE 4 AND PHASE 8 SHALL TIME CONCURRENTLY.

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

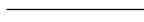

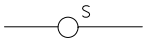
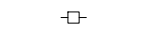
IL 140 & MORELAND (BETHALTO, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

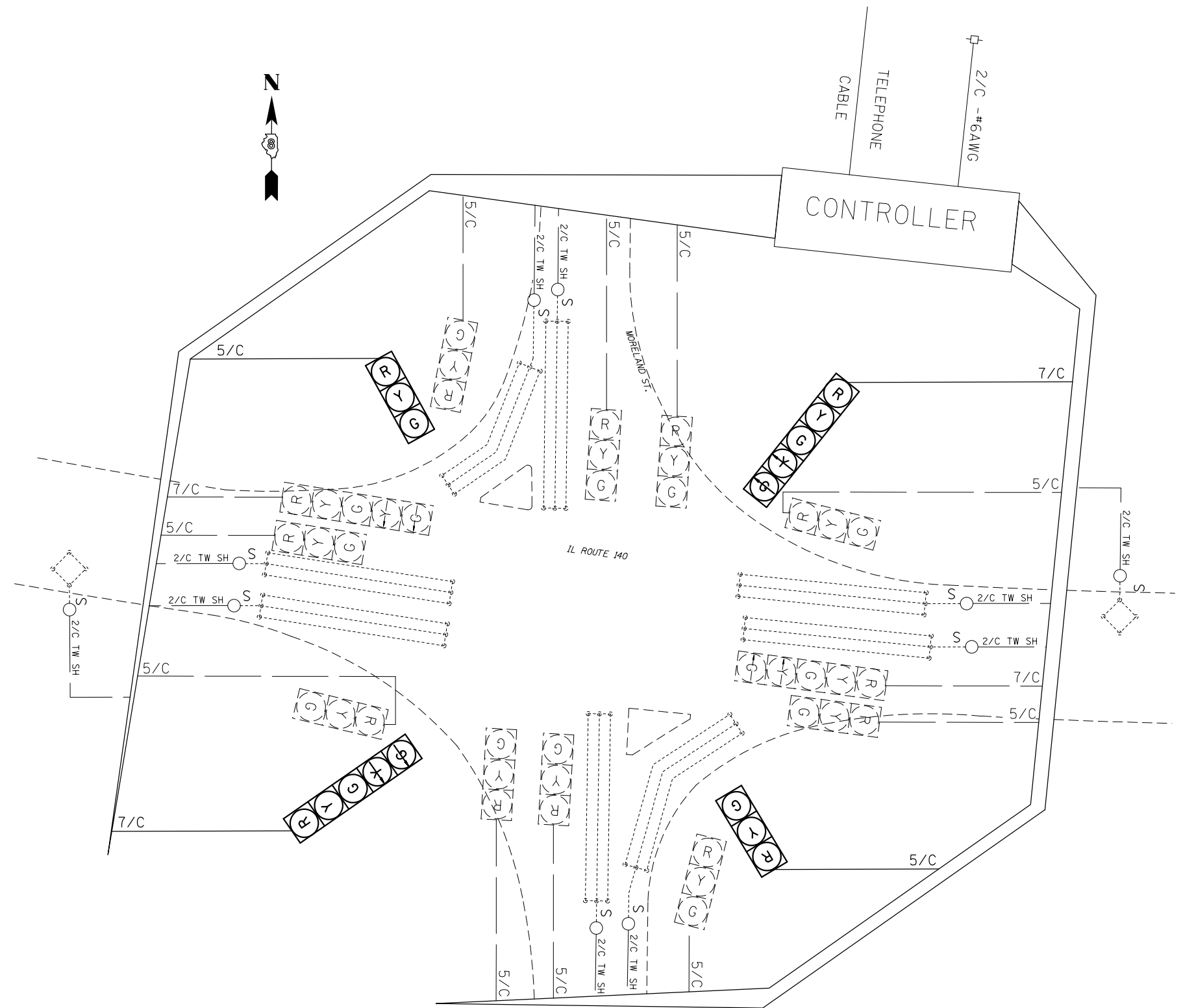
SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	65
*VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	387
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	375
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4189

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

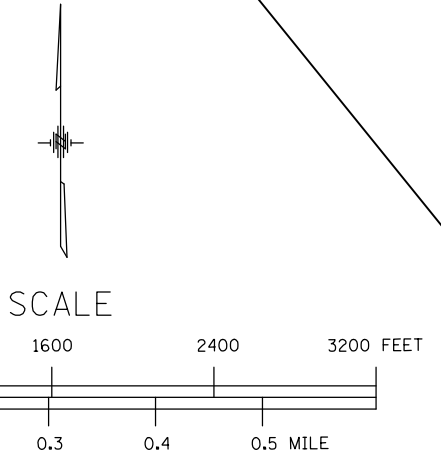
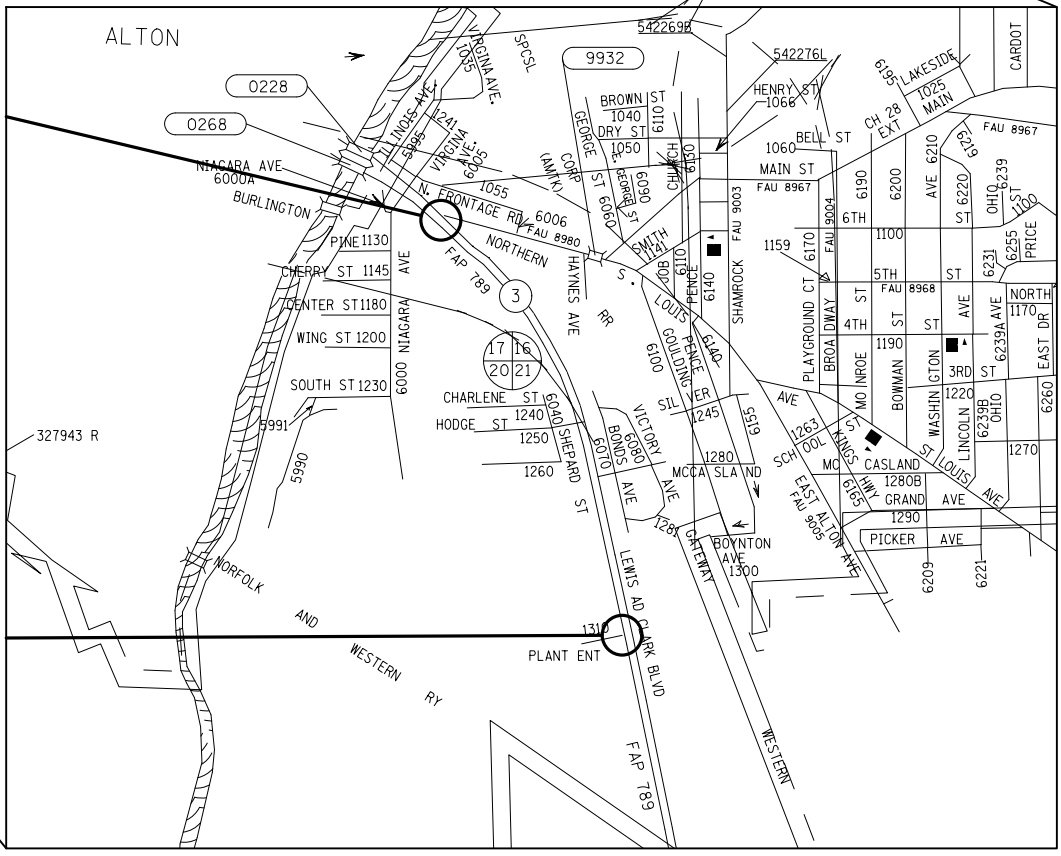
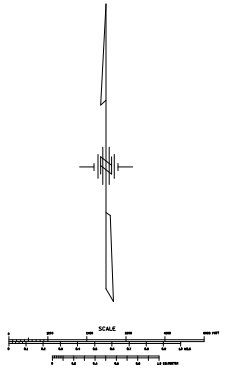
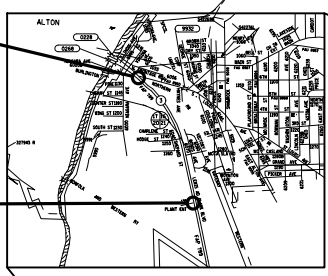
**IL 140 & MORELAND (BETHALTO, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	66
*VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

IL 3 & ST LOUIS AVE

IL 3 &
OLIN BRASS ENTRANCE



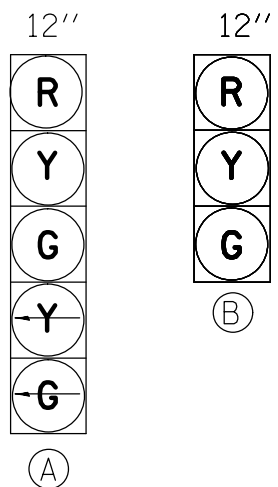
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION			
MAP EAST ALTON, MADISON CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	67
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

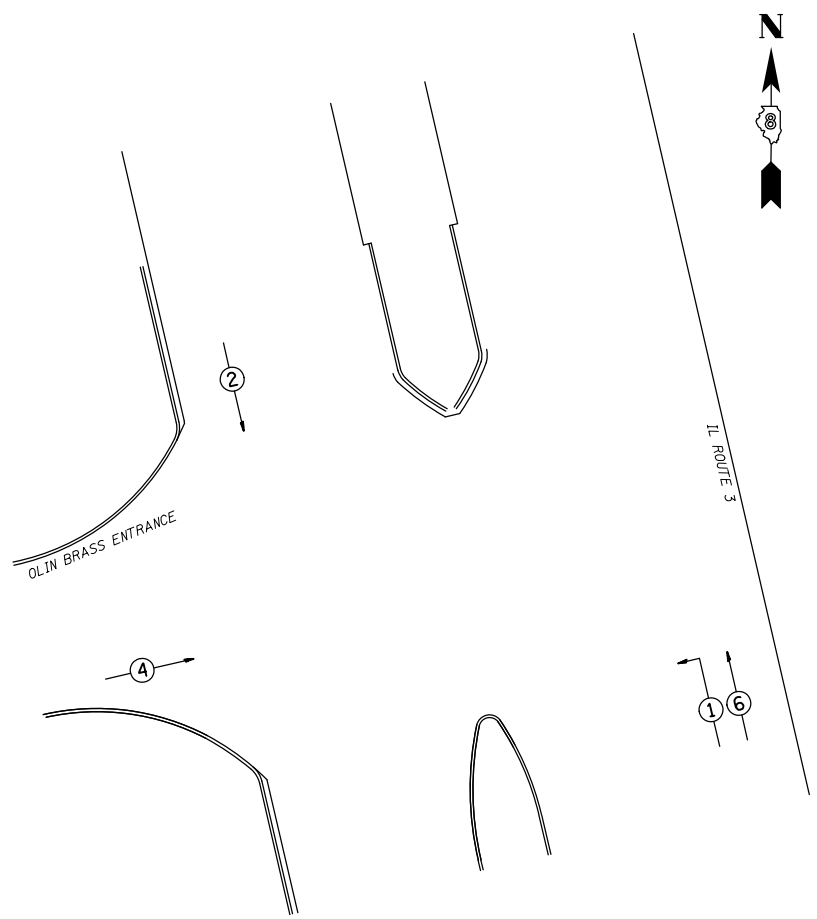
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↙	↘	NOT USED	↗		↖	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	6	6		NONE		1 OR 2		

PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

PRNW BM-EXHH03-3'
LOCATE UNDERGR CABLE-3'
CONC FDN TY A-3'
UNDRGRD C PVC 1 1/23'
DRILL EX HANDHOLE1' (EACH)
TS POST A 141' (EACH)
ELCBL C SIGNAL 14 5C-19'
ELCBL C SIGNAL 14 7C-19'
SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH03-EXHH04, EX.2.5" COND.-43'
2-REM & RE ELCBL FR CON-84' (EACH)
ELCBL C SIGNAL 14 5C-84'
ELCBL C SIGNAL 14 7C-84'

EXSW BM-EXHH04, EX. 2" COND.-49'
REM & RE ELCBL FR CON-60'
REM & RE ELCBL FR CON-47'
ELCBL C SIGNAL 14 5C-47'
SH P LED 1F 1-3 BM-1 (EACH)

EXHH04-EXCNTRL, EX. 4" COND.-9'
15-REM & RE ELCBL FR CON-23' (EACH)
3-ELCBL C SIGNAL 14 5C-23' (EACH)
ELCBL C SIGNAL 14 7C-23'

EXHH02-EXHH04, EX. 2.5" COND.-50'
7-REM & RE ELCBL FR CON-56' (EACH)
ELCBL C SIGNAL 14 5C-56'

EXHH01-EXHH02, EX. 2.5" COND.-56.5'
6-REM & RE ELCBL FR CON-63' (EACH)
ELCBL C SIGNAL 14 5C-63'



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	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

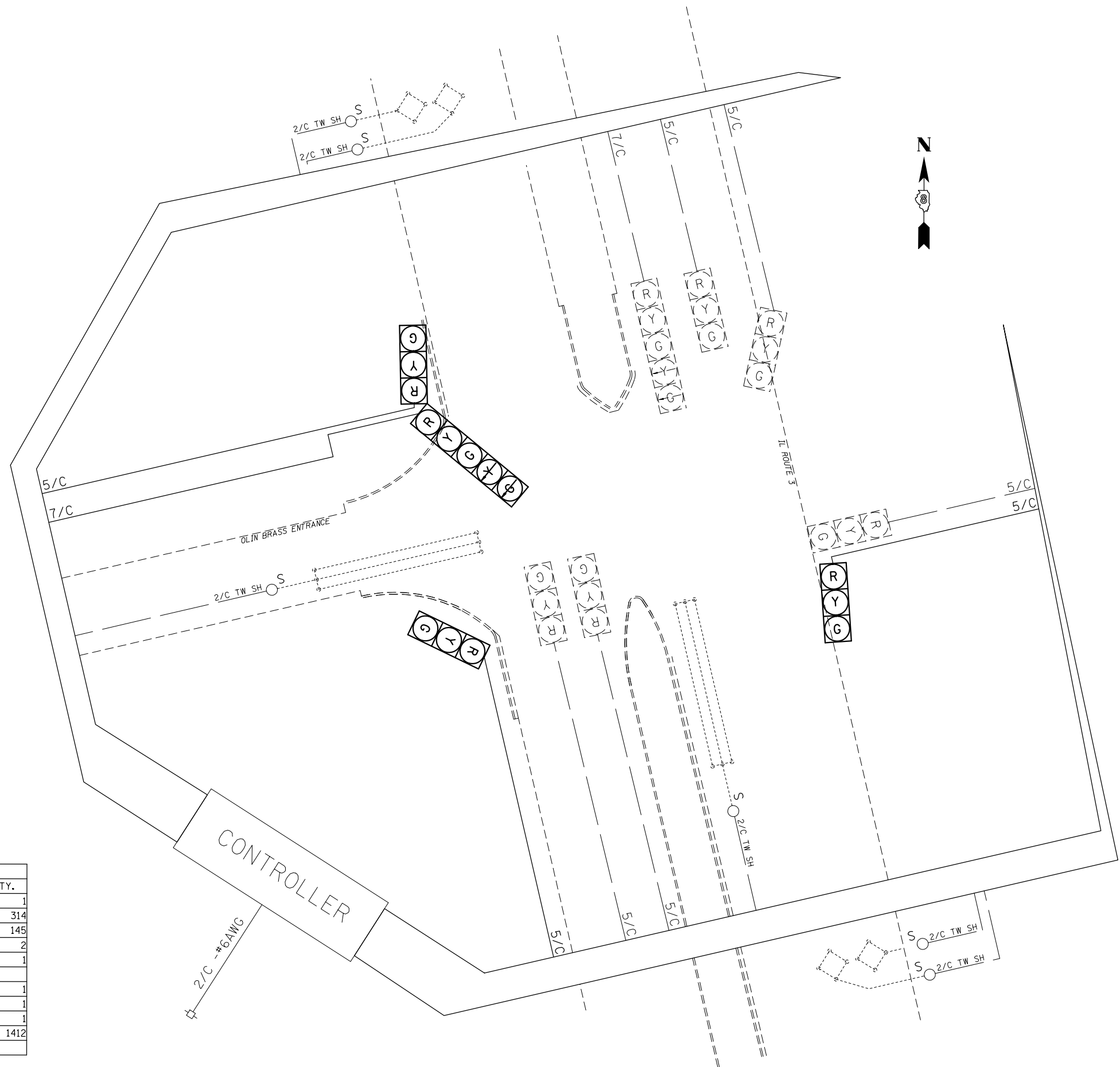
IL 3 & OLIN BRASS ENTRANCE (EAST ALTON, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8	TS 2016-2		126	68
*VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	314
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	145
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1412

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 3 & OLIN BRASS ENTRANCE (EAST ALTON, MADISON CNTY.)
WIRING DIAGRAM**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	69
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

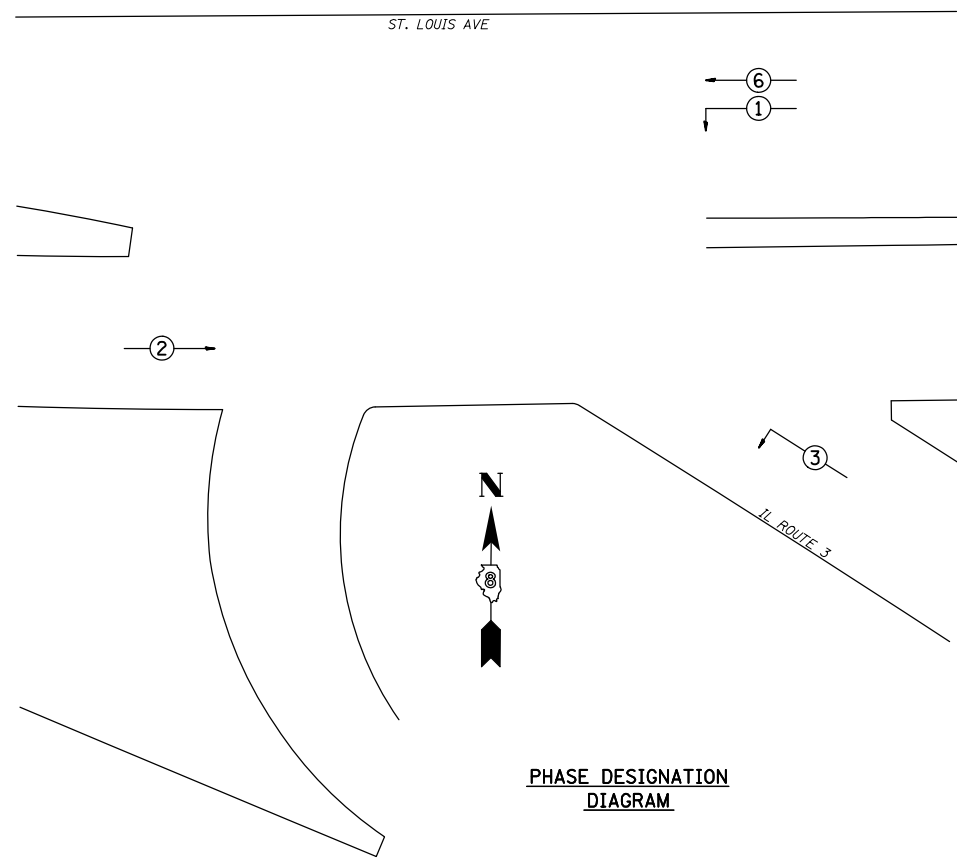
SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



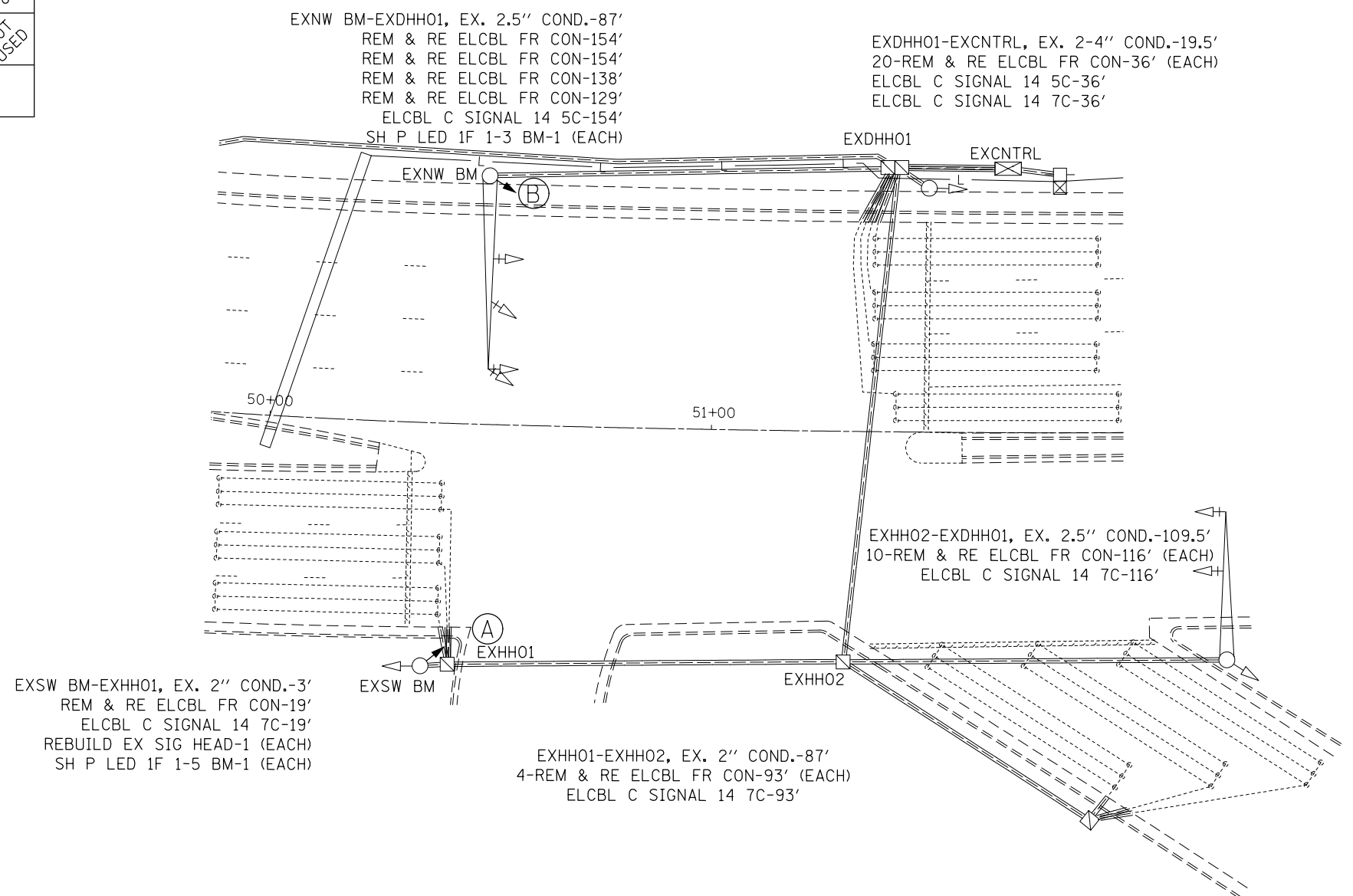
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↙	→	↘	NOT USED	NOT USED	←	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	6	6	NONE			1 OR 2		



PHASE DESIGNATION DIAGRAM



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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

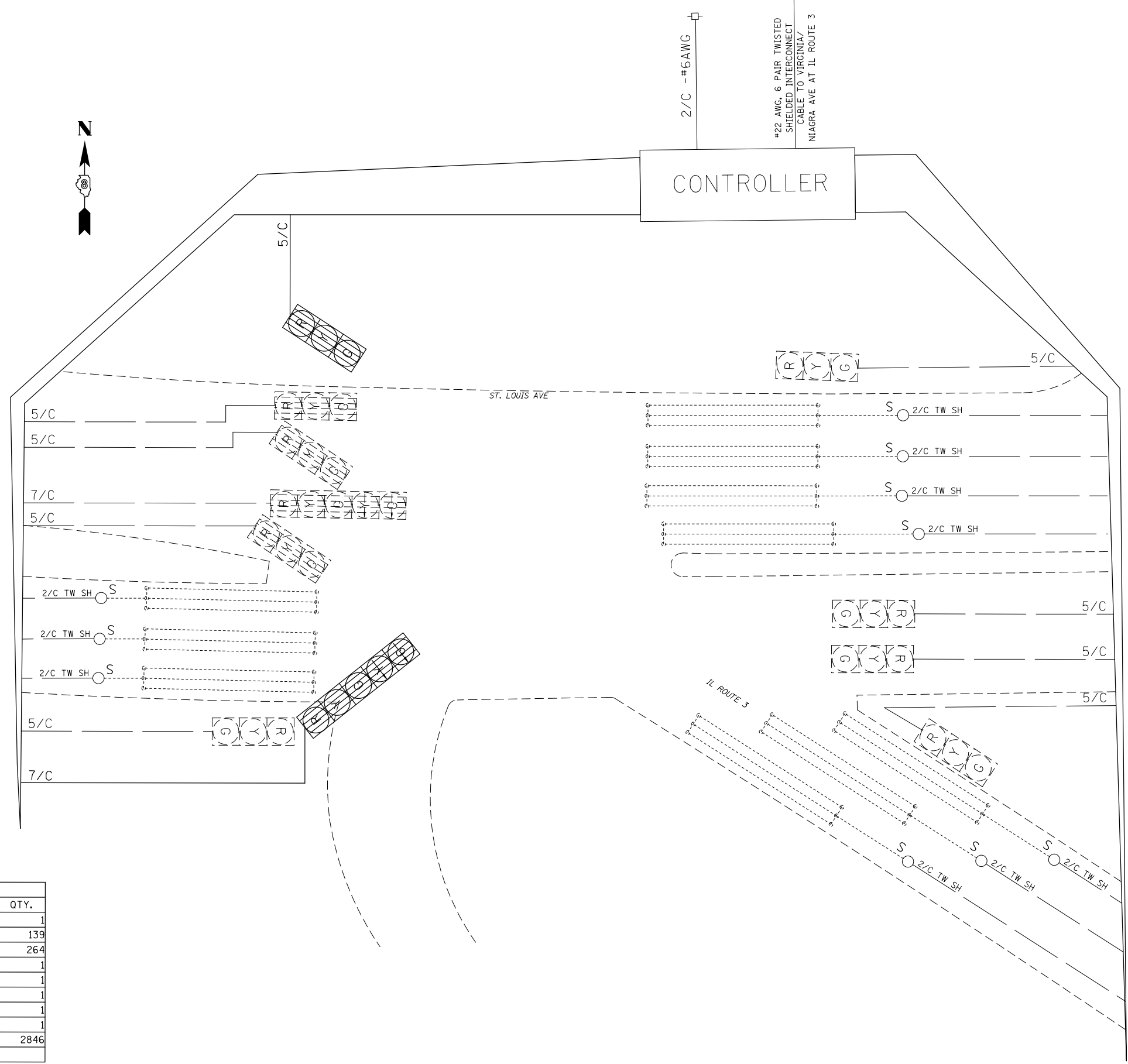
IL 3 & ST LOUIS AVE (EAST ALTON, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	70
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	139
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	264
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2846

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 3 & ST LOUIS AVE (EAST ALTON, MADISON CNTY.)
WIRING DIAGRAM**

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	71
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

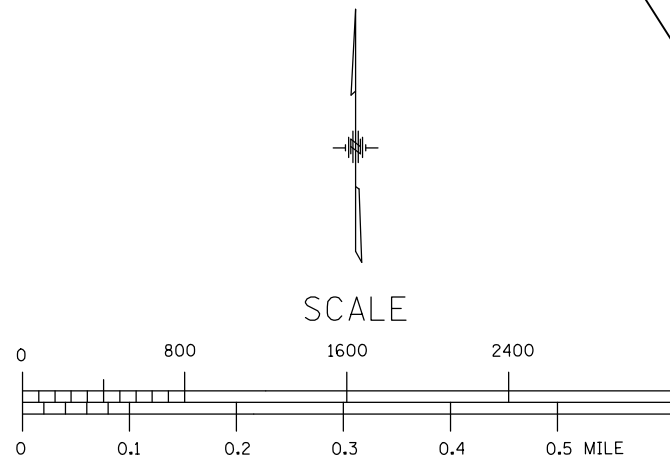
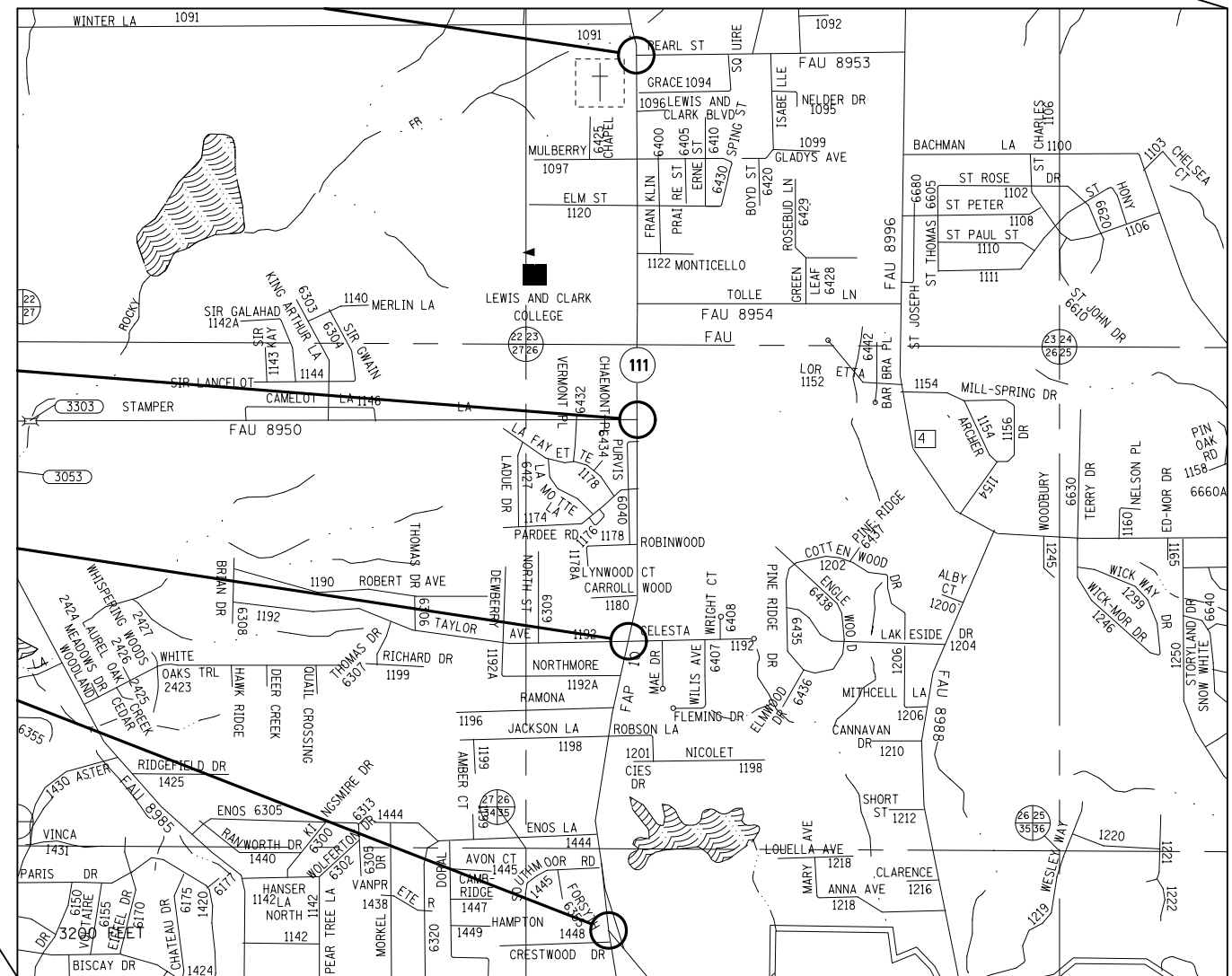
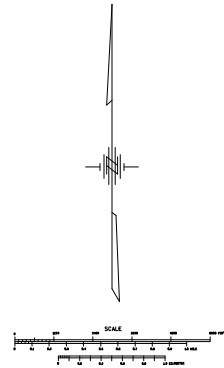
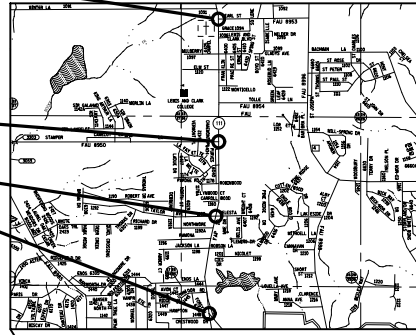
SCALE: SHEET NO. OF SHEETS STA. TO STA.

US 67 & PEARL

US 67 & STAMPER

US 67 & TAYLOR/CELESTA

US 67 & GODFREY

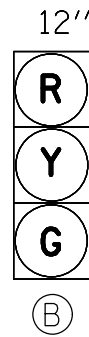
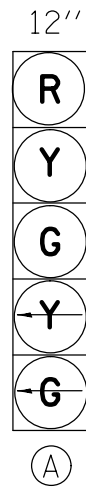


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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION			
MAP GODFREY, MADISON CNTY.			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	72
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION									
PHASE	1	2	3	4	5	6	7	8	OL A
MOVEMENT			NOT USED	NOT USED					
CONCURRENT MOVEMENT PERMITTED	5 & OLA OR 6 & OLA	5 OR 6			1 & OLA OR 2	1 & OLA OR 2	NONE	OLA	1 & 6 OR 8

O.L.A. = OVERLAPPING MOVEMENT

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

PROPOSED TRAFFIC SIGNAL FACES

EXNW BM-EXHH02, EX. 1.5" COND.-4'
 REM & RE ELCBL FR CON-20'
 ELCBL C SIGNAL 14 5C-20'
 ELCBL C SIGNAL 14 7C-20'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH02-EXHH03, EX. 3" COND.-97'
 13-REM & RE ELCBL FR CON-101' (EACH)
 ELCBL C SIGNAL 14 5C-101'
 ELCBL C SIGNAL 14 7C-101'

EXNE BM-EXHH03, EX. 1.5" COND.-12'
 REM & RE ELCBL FR CON-79'
 REM & RE ELCBL FR CON-62'
 REM & RE ELCBL FR CON-46'
 REM & RE ELCBL FR CON-28'
 ELCBL C SIGNAL 14 5C-28'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-3 BM-1 (EACH)

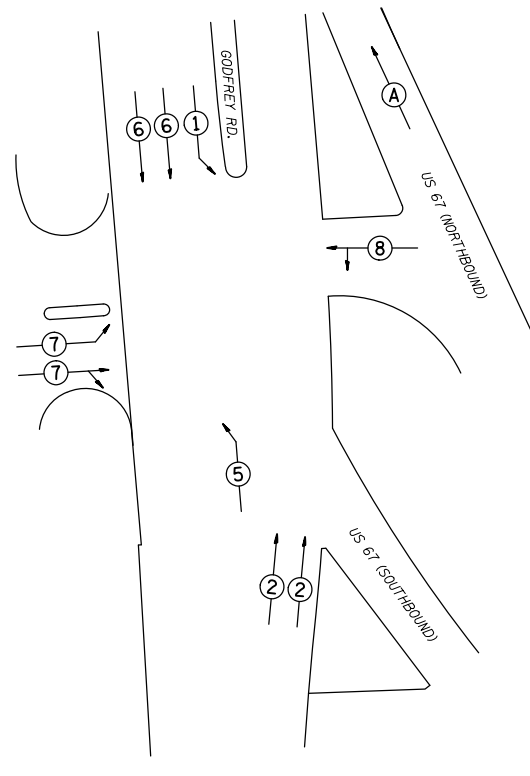
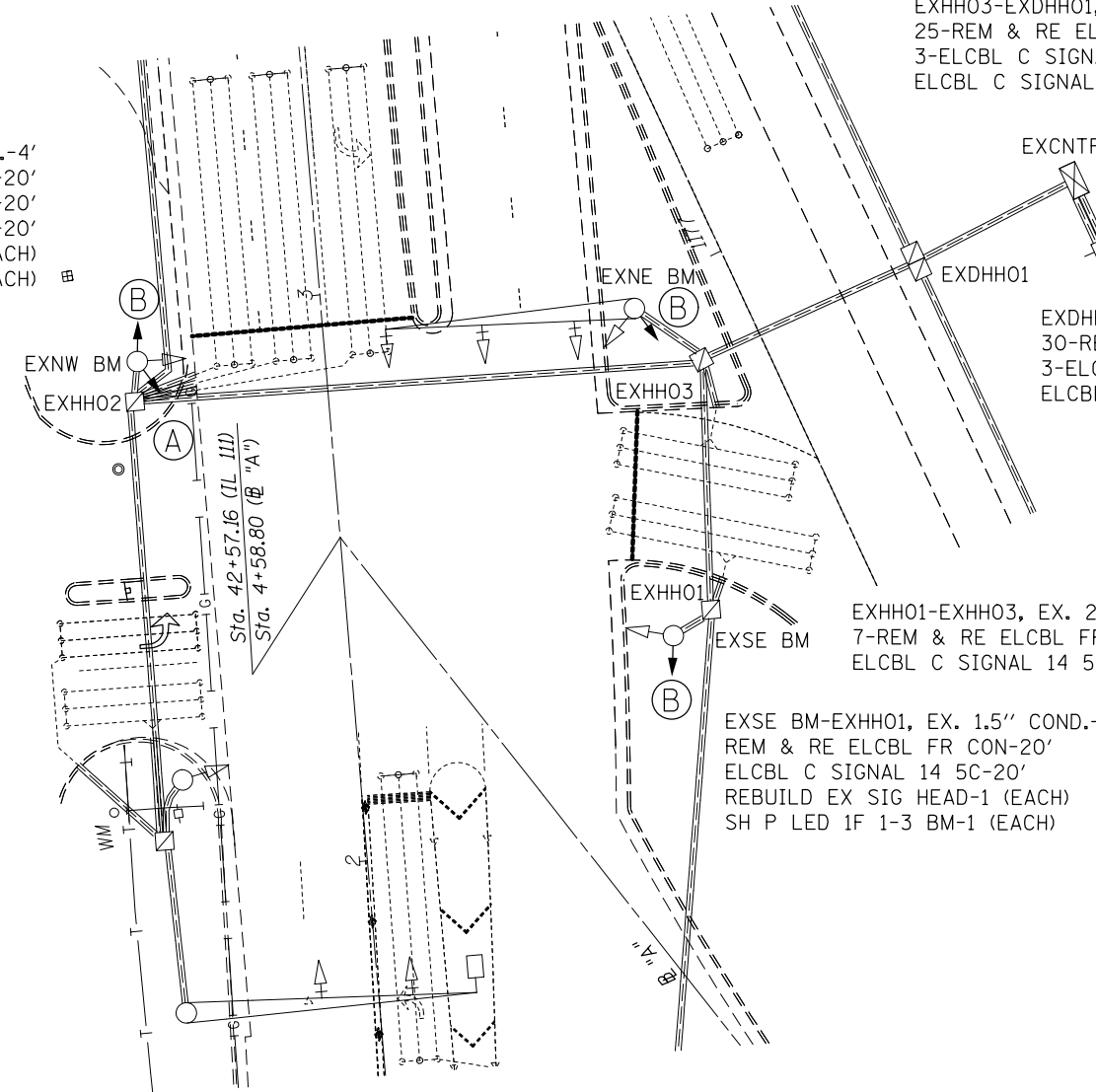
EXHH03-EXDHH01, EX. 4" COND.-38'
 25-REM & RE ELCBL FR CON-45' (EACH)
 3-ELCBL C SIGNAL 14 5C-45' (EACH)
 ELCBL C SIGNAL 14 7C-45'

EXCENRL

EXDHH01-EXCENRL, EX. 4.5" COND.-28'
 30-REM & RE ELCBL FR CON-44' (EACH)
 3-ELCBL C SIGNAL 14 5C-44' (EACH)
 ELCBL C SIGNAL 14 7C-44'

EXHH01-EXHH03, EX. 2" COND.-41'
 7-REM & RE ELCBL FR CON-47' (EACH)
 ELCBL C SIGNAL 14 5C-47'

EXSE BM-EXHH01, EX. 1.5" COND.-4'
 REM & RE ELCBL FR CON-20'
 ELCBL C SIGNAL 14 5C-20'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-3 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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PLOT DATE = 3/18/2016	DATE -	REVISED -	REVISED -

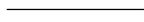

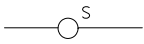


STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

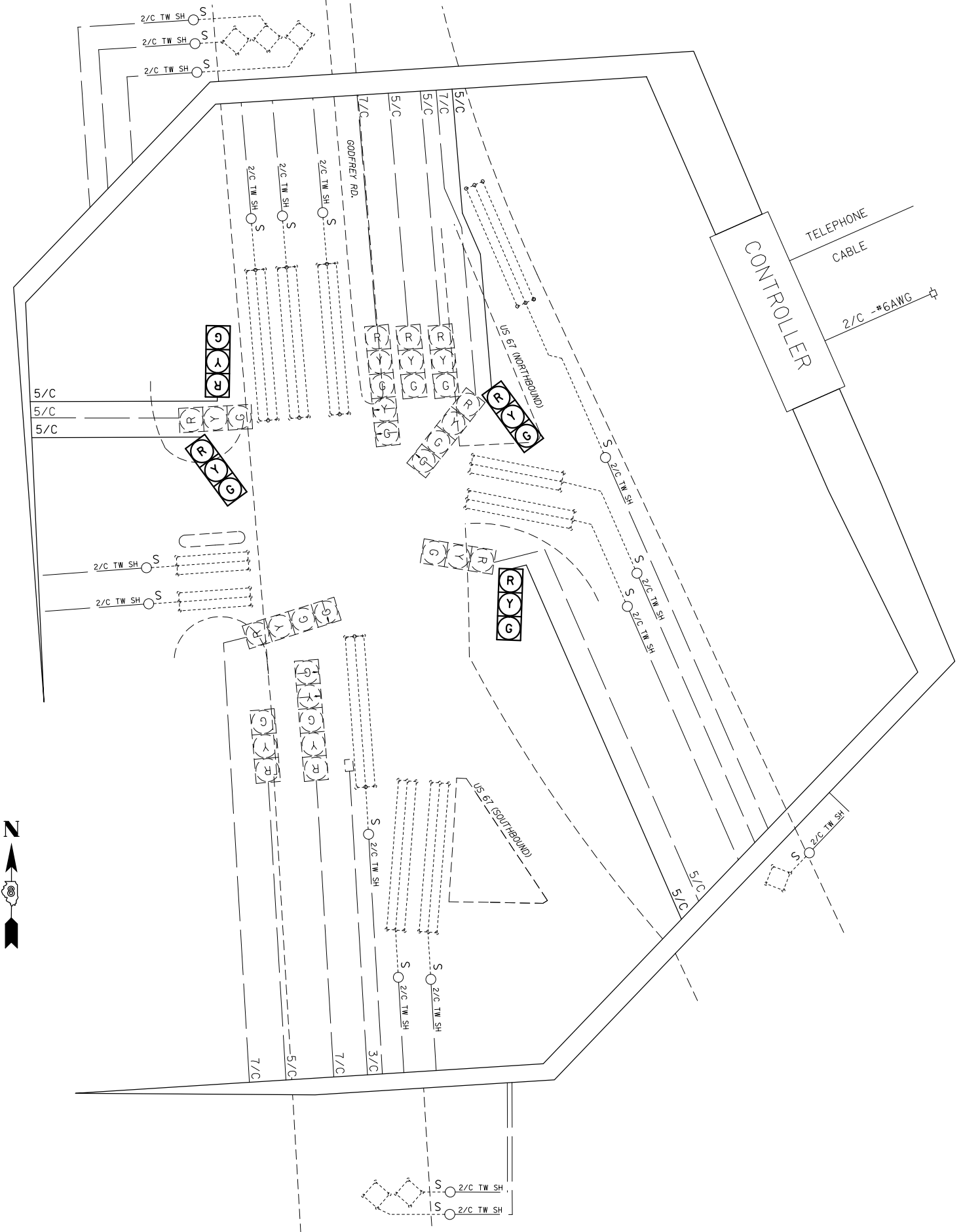
US 67 & GODFREY (GODFREY, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	73
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION
-  EXISTING LEFT TURN YIELD light sign



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
8730124	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	483
8730125	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	210
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	3
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4342

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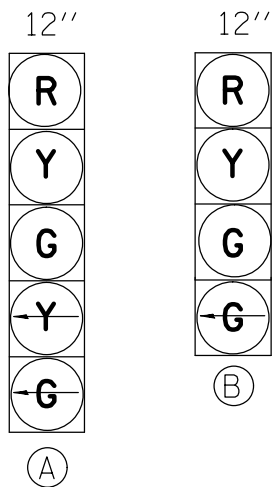
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 67 & GODFREY (GODFREY, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	DIST 8 TS 2016-2	•	126	74
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



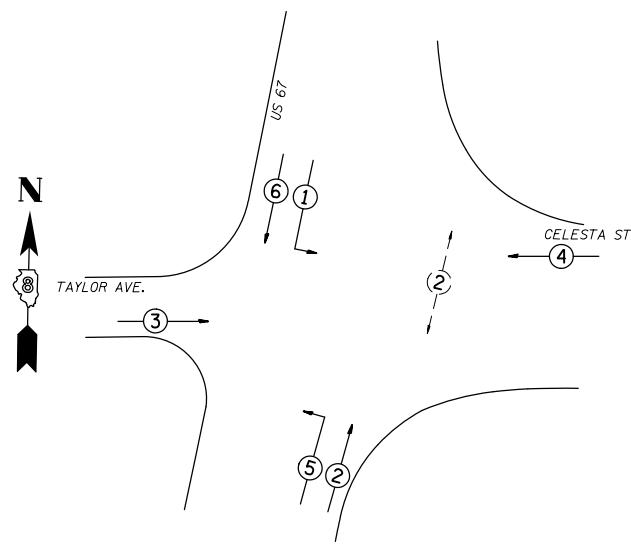
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	←	↕*	→	←	↗	↘	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

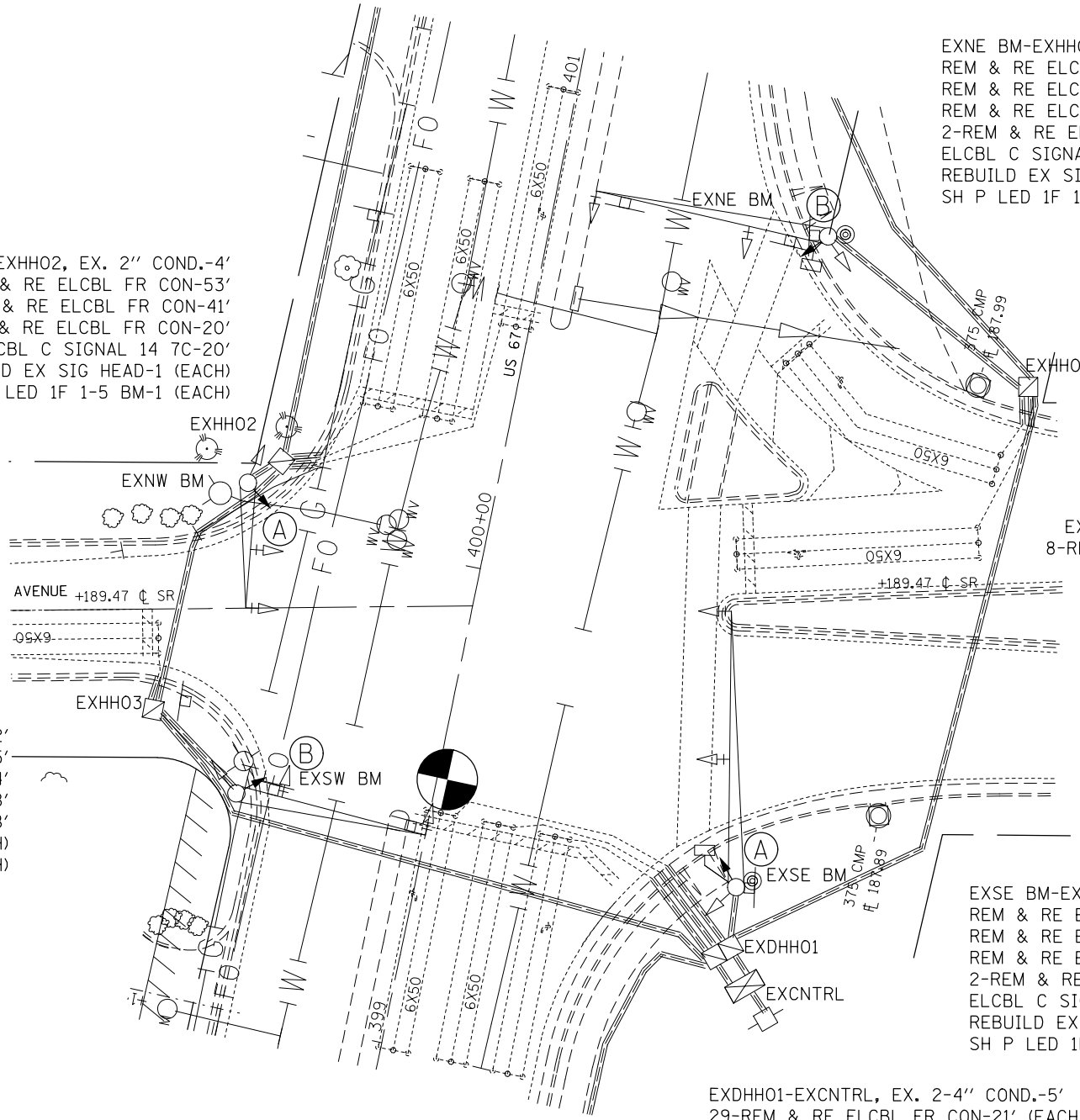


PHASE DESIGNATION DIAGRAM

EXNW BM-EXHHO2, EX. 2" COND.-4'
 REM & RE ELCBL FR CON-53'
 REM & RE ELCBL FR CON-41'
 REM & RE ELCBL FR CON-20'
 ELCBL C SIGNAL 14 7C-20'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-5 BM-1 (EACH)

EXHHO2-EXHHO3, EX. 2" COND.-56'
 8-REM & RE ELCBL FR CON-63' (EACH)
 ELCBL C SIGNAL 14 7C-63'

EXSW BM-EXHHO3, EX. 2" COND.-22'
 REM & RE ELCBL FR CON-85'
 REM & RE ELCBL FR CON-54'
 REM & RE ELCBL FR CON-38'
 ELCBL C SIGNAL 14 7C-38'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-4 BM-1 (EACH)



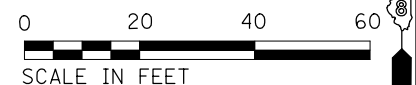
EXNE BM-EXHHO1, EX. 2" COND.-49'
 REM & RE ELCBL FR CON-120'
 REM & RE ELCBL FR CON-88'
 REM & RE ELCBL FR CON-58'
 2-REM & RE ELCBL FR CON-65'(EACH)
 ELCBL C SIGNAL 14 7C-65'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-4 BM-1 (EACH)

EXHHO1-EXDHHO1, EX. 2" COND.-139'
 8-REM & RE ELCBL FR CON-145' (EACH)
 ELCBL C SIGNAL 14 7C-145'

EXSE BM-EXDHHO1, EX. 2" COND.-9'
 REM & RE ELCBL FR CON-89'
 REM & RE ELCBL FR CON-58'
 REM & RE ELCBL FR CON-18'
 2-REM & RE ELCBL FR CON-25' (EACH)
 ELCBL C SIGNAL 14 7C-89'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-5 BM-1 (EACH)

EXDHHO1-EXCNTL, EX. 2-4" COND.-5'
 29-REM & RE ELCBL FR CON-21' (EACH)
 4-ELCBL C SIGNAL 14 7C-21' (EACH)

EXHHO3-EXDHHO1, EX. 3" COND.-43'
 12-REM & RE ELCBL FR CON-134' (EACH)
 2-ELCBL C SIGNAL 14 7C-134' (EACH)



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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PLOT DATE = 3/18/2016	DATE -	REVISED -	REVISED -

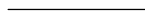

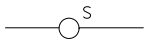
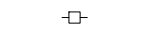
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

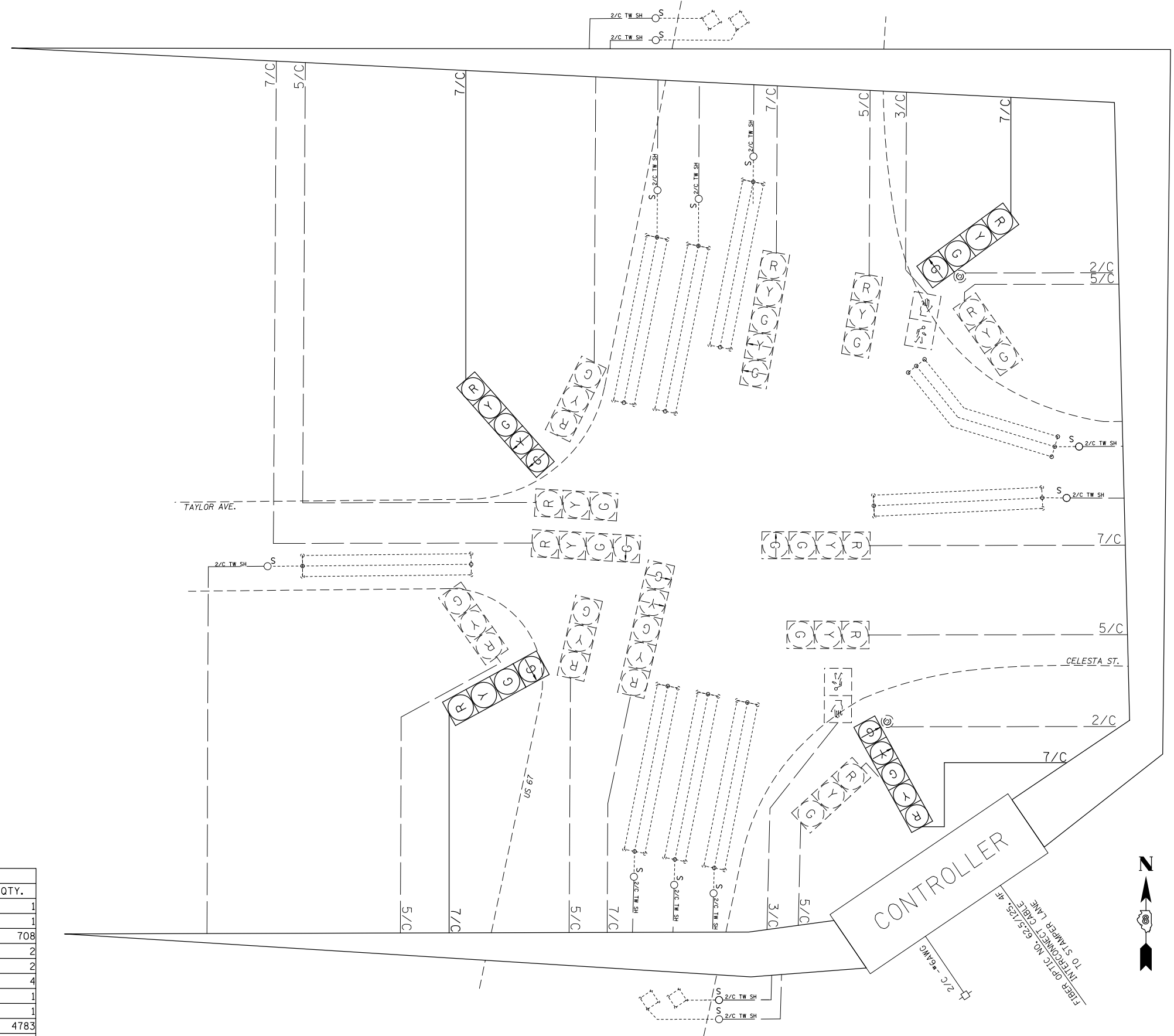
US 67 & TAYLOR / CELESTA (GODFREY, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	75
*VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87801255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	708
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4783

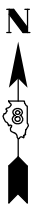
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	PLOT SCALE = 33.3333 ' / in.	DATE -	REVISED -
	PLOT DATE = 3/18/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

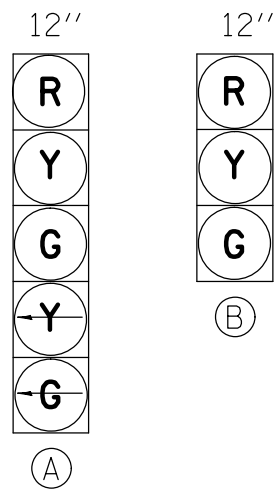
**US 67 & TAYLOR / CELESTA GODFREY, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	76
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



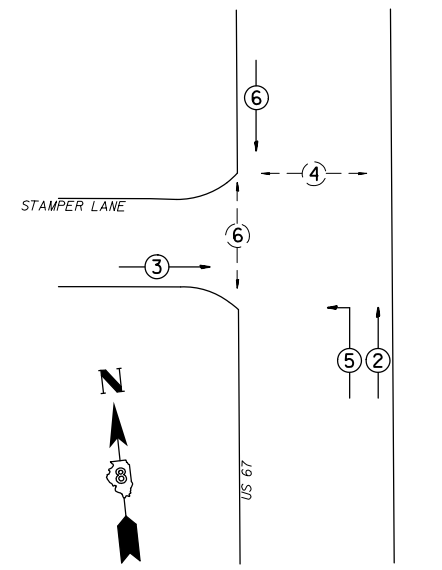
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	↑	→	* →	↙	* ↓	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED		5 OR 6	NONE	NONE	2	2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



PHASE DESIGNATION DIAGRAM

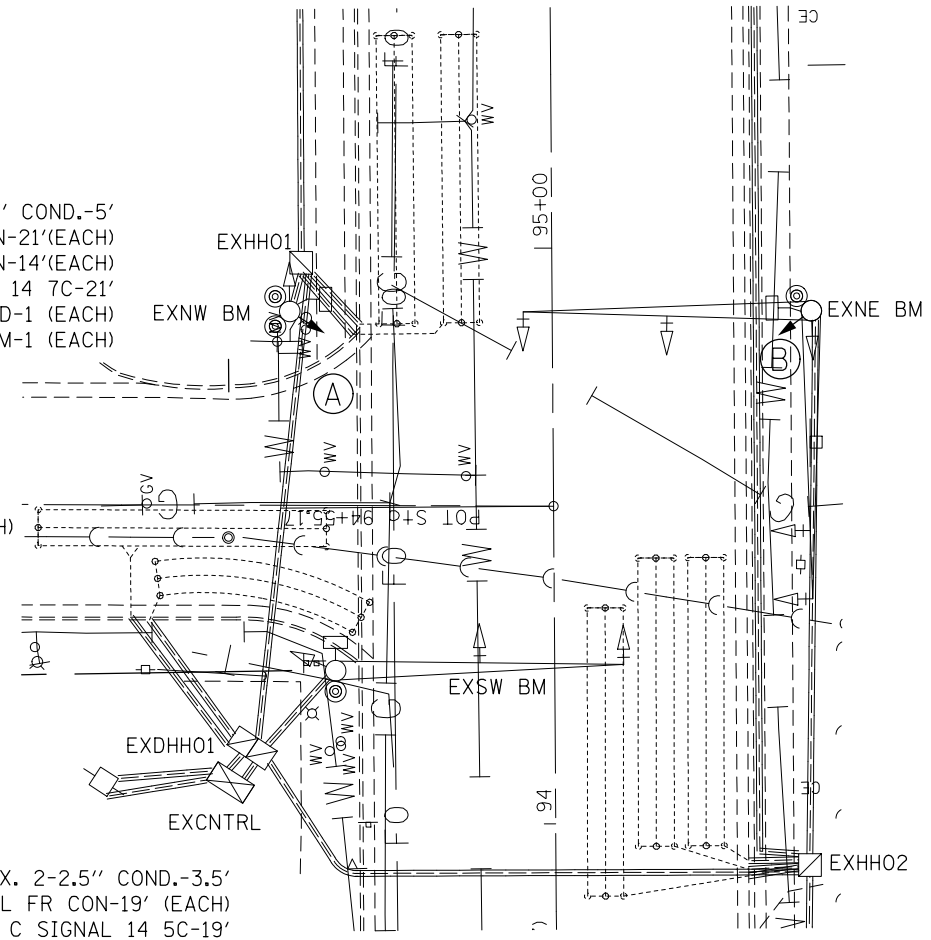
EXNW BM-EXHH01, EX. 2" COND.-5'
 3-REM & RE ELCBL FR CON-21'(EACH)
 2-REM & RE ELCBL FR CON-14'(EACH)
 ELCBL C SIGNAL 14 7C-21'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-5 BM-1 (EACH)

EXHH01-EXDHH01, EX. 2" COND.-81'
 10-REM & RE ELCBL FR CON-88' (EACH)
 ELCBL C SIGNAL 14 7C-88'

EXDHH01-EXCNRTL, EX. 2-2.5" COND.-3.5'
 28-REM & RE ELCBL FR CON-19' (EACH)
 ELCBL C SIGNAL 14 5C-19'
 ELCBL C SIGNAL 14 7C-19'

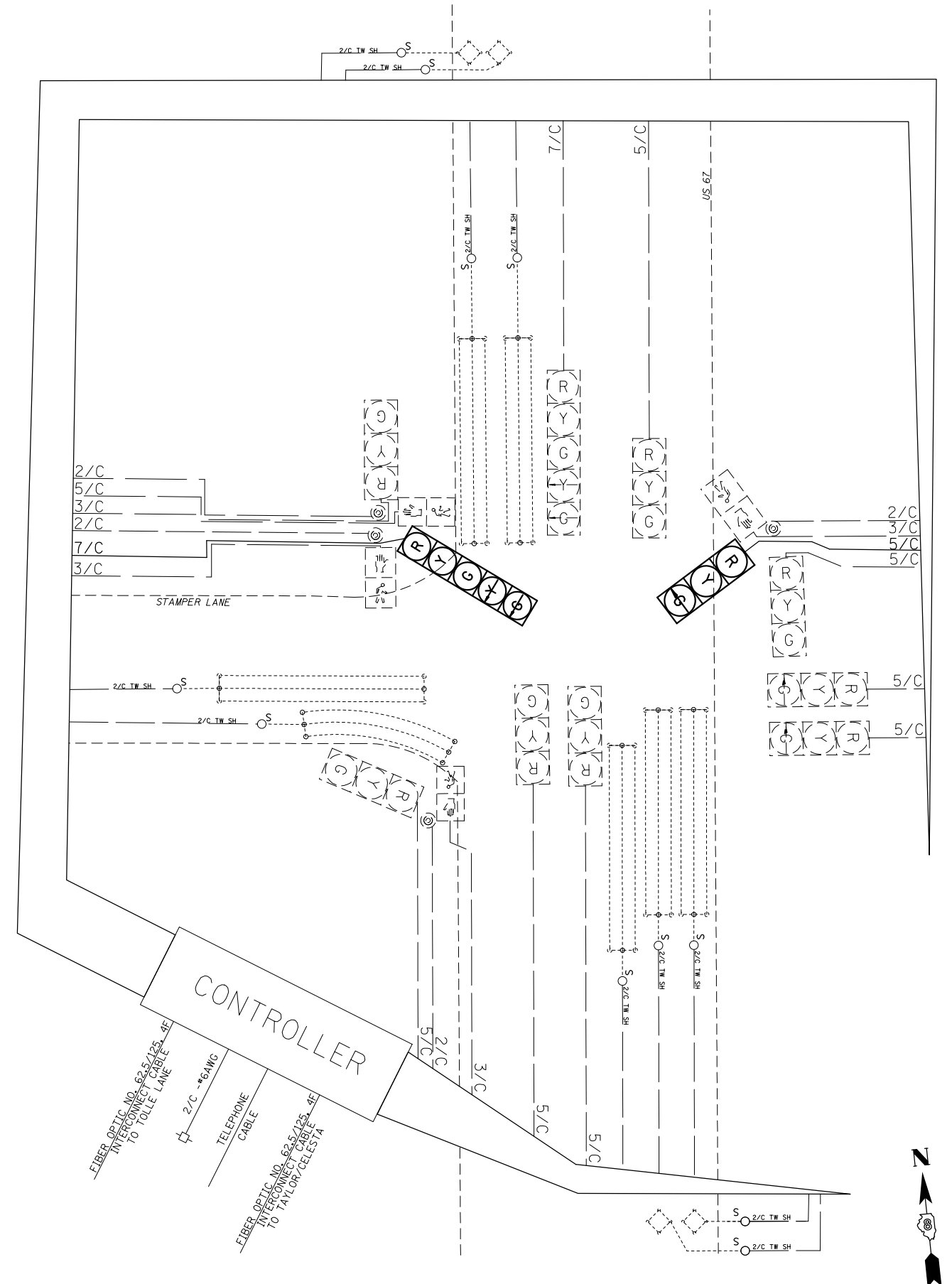
EXHH02-EXDHH01, EX. 2.5" COND.-103'
 13-REM & RE ELCBL FR CON-109' (EACH)
 ELCBL C SIGNAL 14 5C-109'

EXNE BM-EXHH02, EX. 2" COND.-93'
 REM & RE ELCBL FR CON-166'
 REM & RE ELCBL FR CON-141'
 REM & RE ELCBL FR CON-154'
 REM & RE ELCBL FR CON-166'
 REM & RE ELCBL FR CON-102'
 2-REM & RE ELCBL FR CON-109' (EACH)
 ELCBL C SIGNAL 14 5C-109'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-3 BM-1 (EACH)



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	237
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	128
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3867

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 / in.	DATE -	REVISED -
	PLOT DATE = 3/18/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

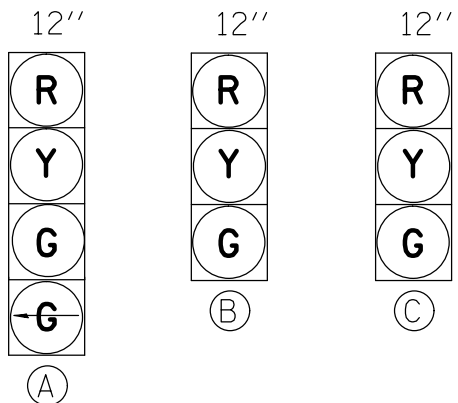
**US 67 & STAMPER (GODFREY, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	78
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



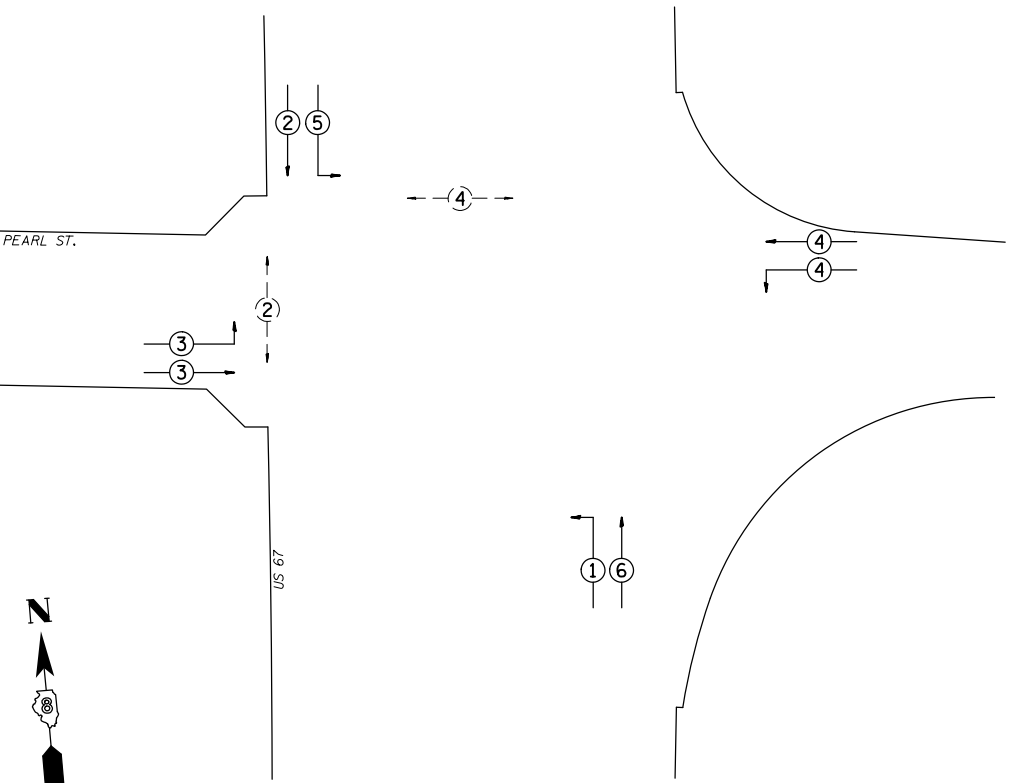
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↖	↕*	↗	↖*	↙	↕	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



PHASE DESIGNATION DIAGRAM

EXHH03-EXDHH01, EX. 2.5" COND.-77'
 17-REM & RE ELCBL FR CON-84' (EACH)
 3-ELCBL C SIGNAL 14 5C-84' (EACH)
 ELCBL C SIGNAL 14 7C-84'

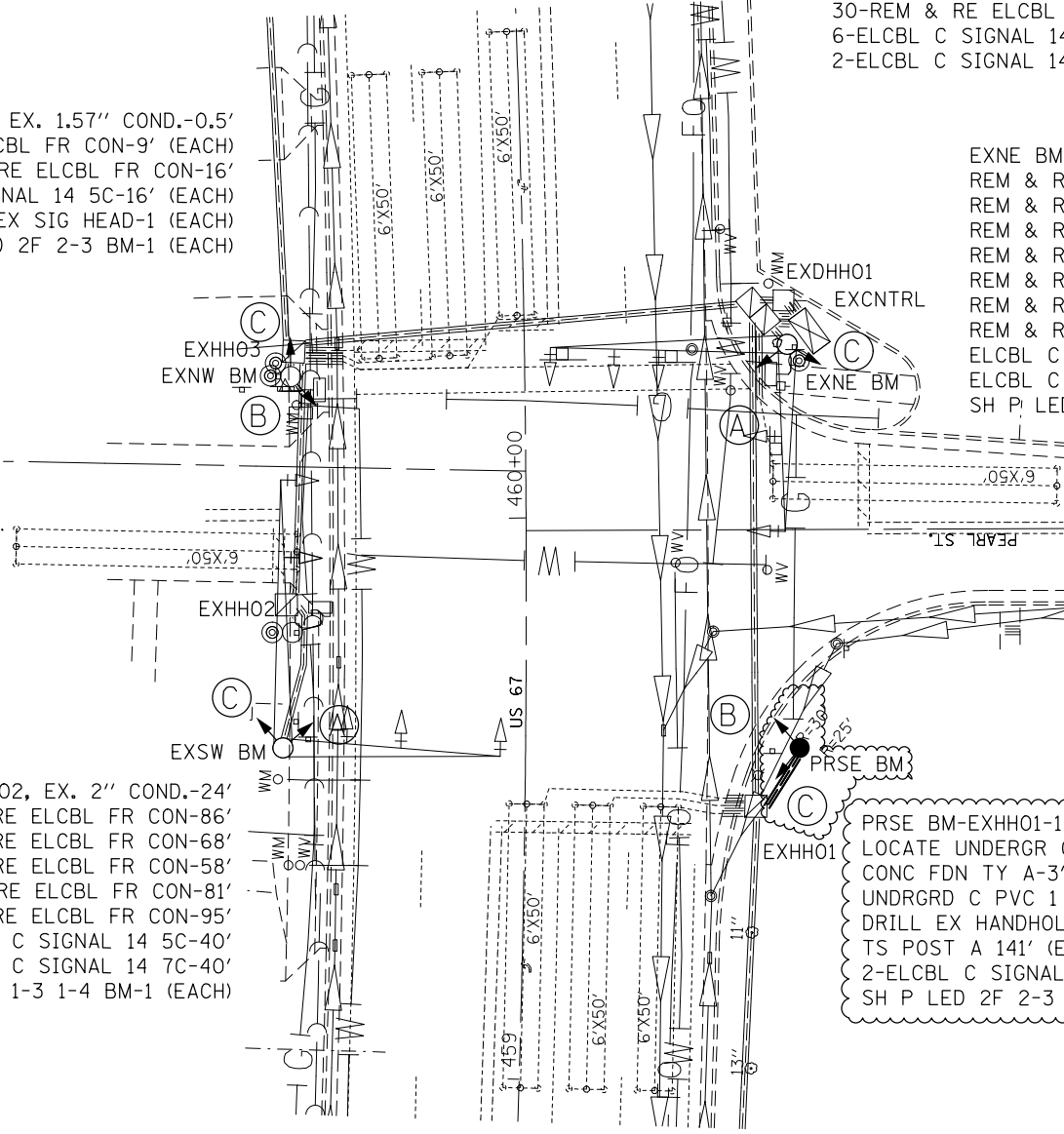
EXDHH01-EXCNTRL, EX. 2-2.5" COND.-2'
 30-REM & RE ELCBL FR CON-18' (EACH)
 6-ELCBL C SIGNAL 14 5C-18' (EACH)
 2-ELCBL C SIGNAL 14 7C-18' (EACH)

EXNE BM-EXDHH01, EX. 2" COND.-2'
 REM & RE ELCBL FR CON-67'
 REM & RE ELCBL FR CON-56'
 REM & RE ELCBL FR CON-48'
 REM & RE ELCBL FR CON-58'
 REM & RE ELCBL FR CON-41'
 REM & RE ELCBL FR CON-11'
 REM & RE ELCBL FR CON-18'
 ELCBL C SIGNAL 14 5C-18'
 ELCBL C SIGNAL 14 7C-18'
 SH P LED 2F 1-3 1-4 BM-1 (EACH)

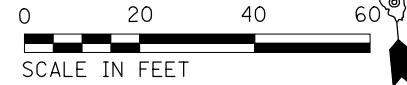
EXHH02-EXHH03, EX. 2.5" COND.-41'
 8-REM & RE ELCBL FR CON-47' (EACH)
 ELCBL C SIGNAL 14 5C-47'
 ELCBL C SIGNAL 14 7C-47'

EXSW BM-EXHH02, EX. 2" COND.-24'
 REM & RE ELCBL FR CON-86'
 REM & RE ELCBL FR CON-68'
 REM & RE ELCBL FR CON-58'
 REM & RE ELCBL FR CON-81'
 REM & RE ELCBL FR CON-95'
 ELCBL C SIGNAL 14 5C-40'
 ELCBL C SIGNAL 14 7C-40'
 SH P LED 2F 1-3 1-4 BM-1 (EACH)

PRSE BM-EXHH01-10'
 LOCATE UNDERGR CABLE-10'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/210'
 DRILL EX HANDHOLE1' (EACH)
 TS POST A 141' (EACH)
 2-ELCBL C SIGNAL 14 5C-26' (EACH)
 SH P LED 2F 2-3 BM-1 (EACH)



EXHH01-EXDHH01, EX. 2.5" COND.-84'
 5-REM & RE ELCBL FR CON-90' (EACH)
 2-ELCBL C SIGNAL 14 5C-90' (EACH)



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

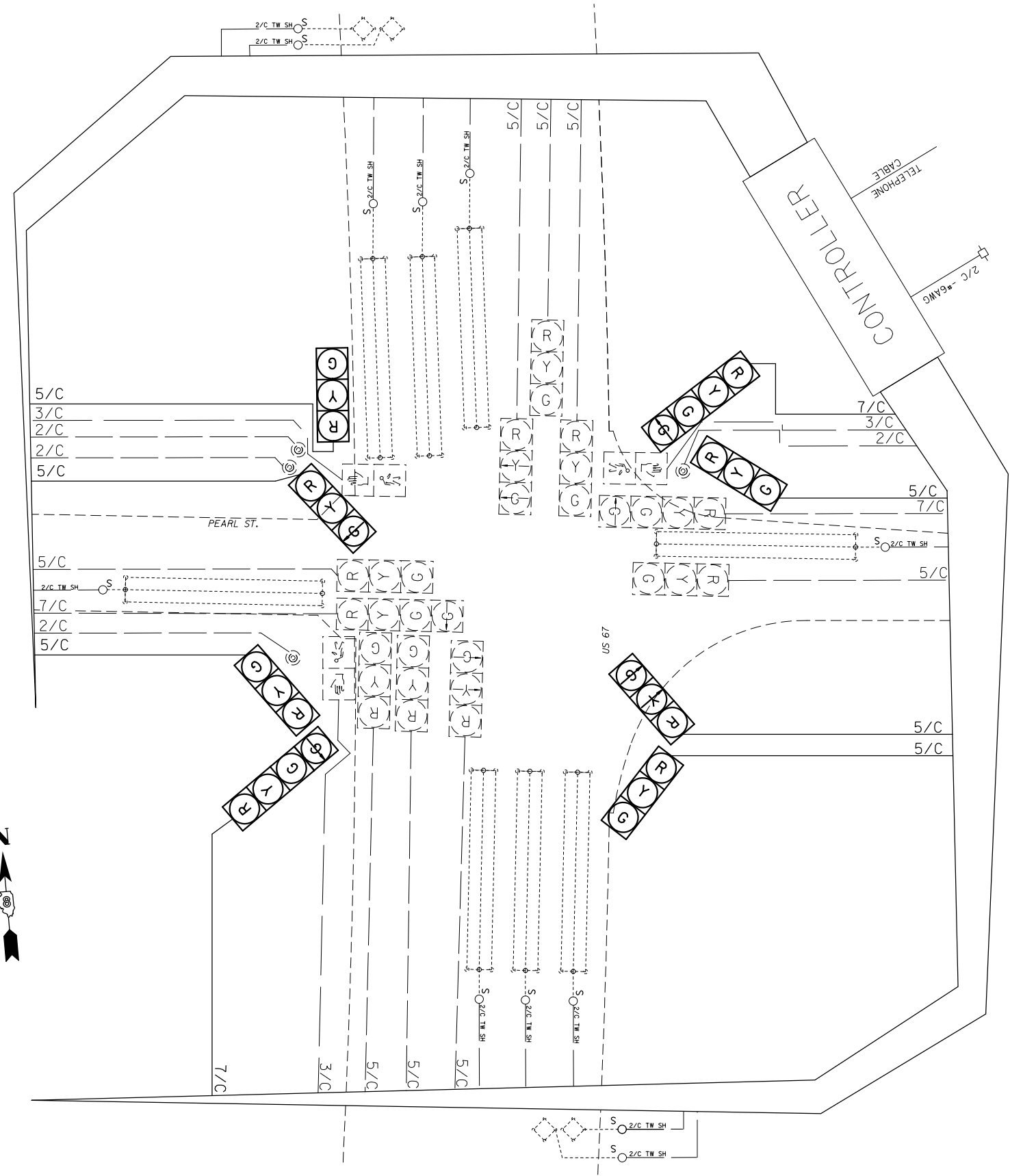
US 67 & PEARL (GODFREY, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	79
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
7010263	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
7010264	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	10
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	10
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	729
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	225
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3531



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		DATE -	REVISED -

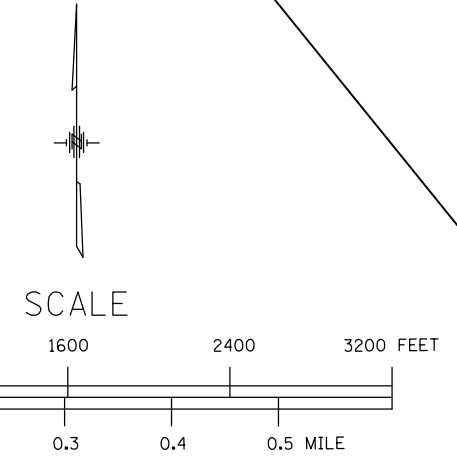
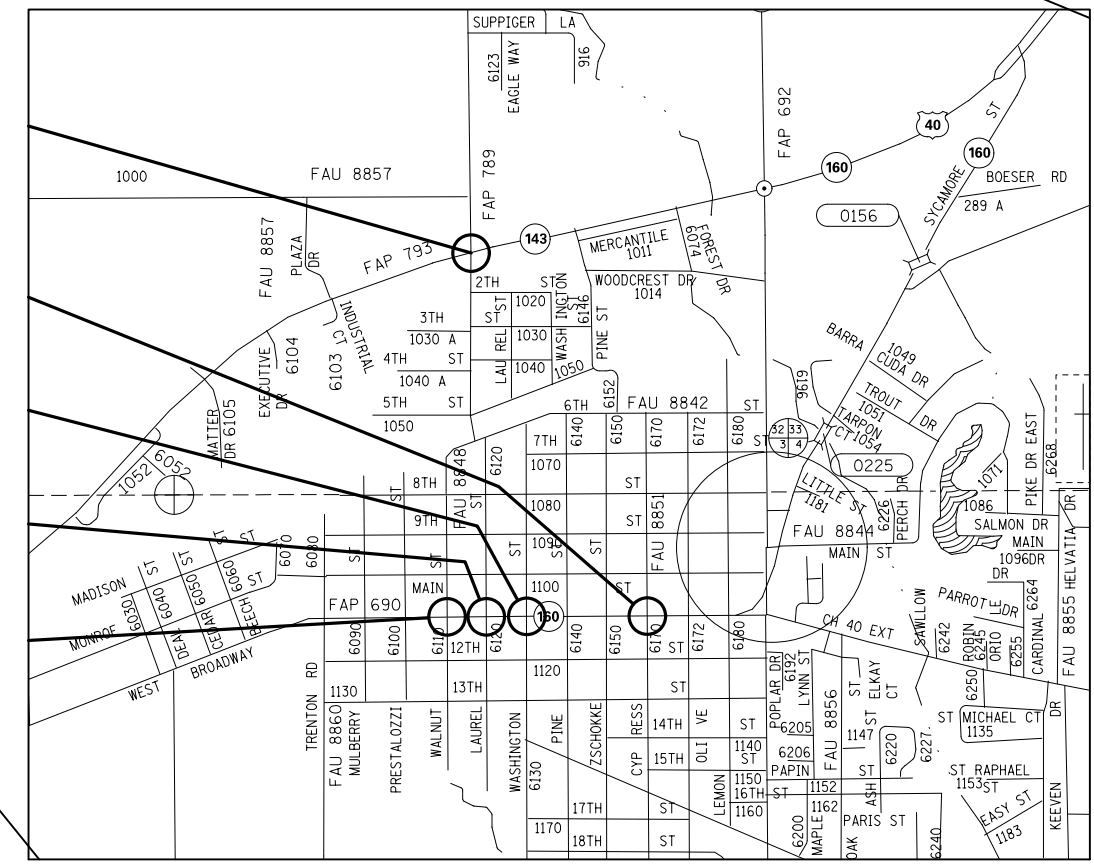
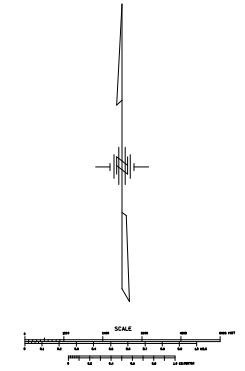
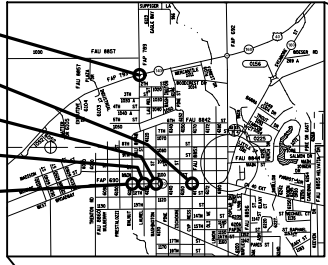
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 67 & Pearl (Godfrey, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	80
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

US 40 & IL 143
 IL 160 & CYPRESS
 IL 160 & WASHINGTON
 IL 160 & LAUREL
 IL 160 & WALNUT



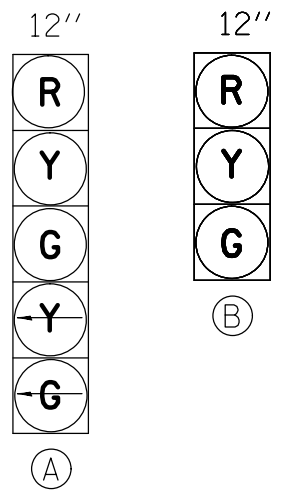
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		PLOT SCALE = 33.3333 / in.	REVISED -		•=VARIOUS	CONTRACT NO. 76J21						
		PLOT DATE = 3/18/2016	REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

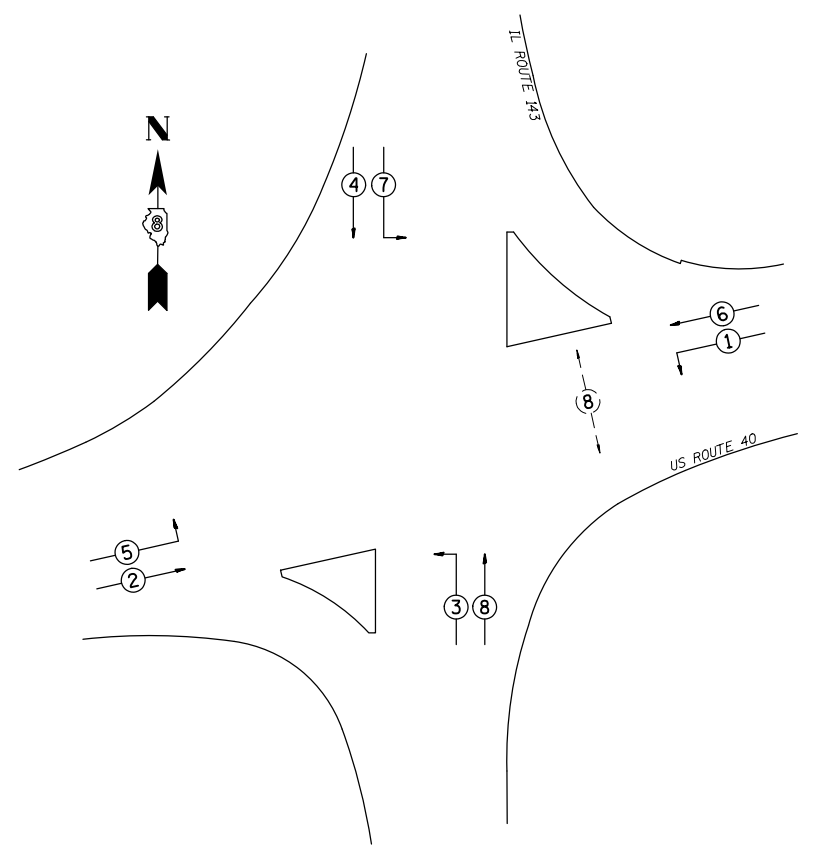
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	8	1 OR 2	1 OR 2	3 OR 4	4

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



PROPOSED TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

EXNW BM-EXHH03, EX. 1.5" COND.-12'
 REM & RE ELCBL FR CON-79'
 REM & RE ELCBL FR CON-67'
 ELCBL C SIGNAL 14 5C-28'
 ELCBL C SIGNAL 14 7C-28'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXSW BM-EXHH01, EX. 1.5" COND.-49'
 REM & RE ELCBL FR CON-116'
 REM & RE ELCBL FR CON-106'
 ELCBL C SIGNAL 14 5C-65'
 ELCBL C SIGNAL 14 7C-65'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH03-EXDHH01, EX. 2" COND.-124'
 3-REM & RE ELCBL FR CON-130' (EACH)
 ELCBL C SIGNAL 14 5C-130'
 ELCBL C SIGNAL 14 7C-130'

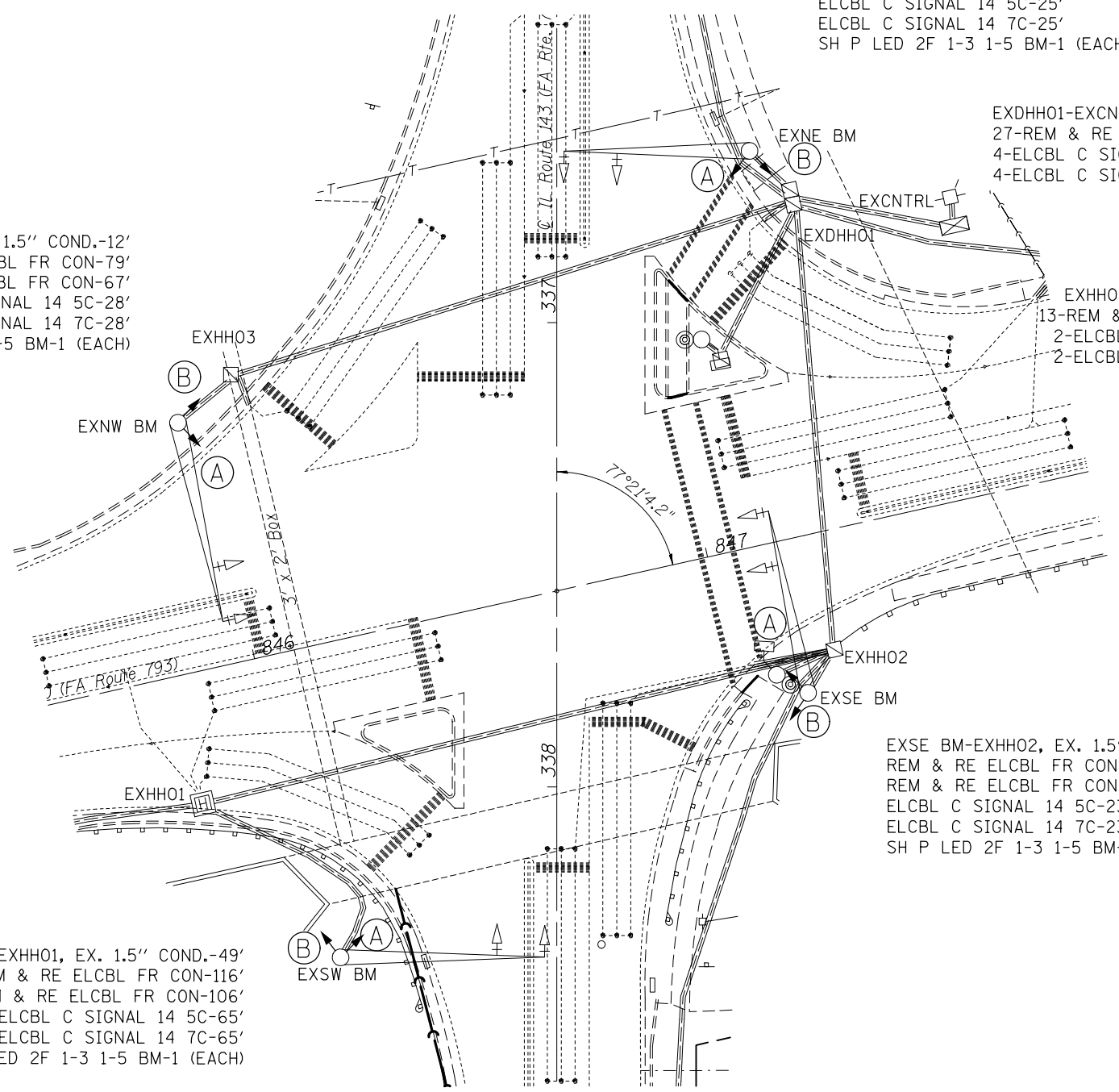
EXNE BM-EXDHH01, EX. 1.5" COND.-9'
 REM & RE ELCBL FR CON-72'
 REM & RE ELCBL FR CON-60'
 ELCBL C SIGNAL 14 5C-25'
 ELCBL C SIGNAL 14 7C-25'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXDHH01-EXCNTRL, EX. 4" COND.-31'
 27-REM & RE ELCBL FR CON-47' (EACH)
 4-ELCBL C SIGNAL 14 5C-47' (EACH)
 4-ELCBL C SIGNAL 14 7C-47' (EACH)

EXHH02-EXDHH01, EX. 3" COND.-93'
 13-REM & RE ELCBL FR CON-100' (EACH)
 2-ELCBL C SIGNAL 14 5C-100' (EACH)
 2-ELCBL C SIGNAL 14 7C-100' (EACH)

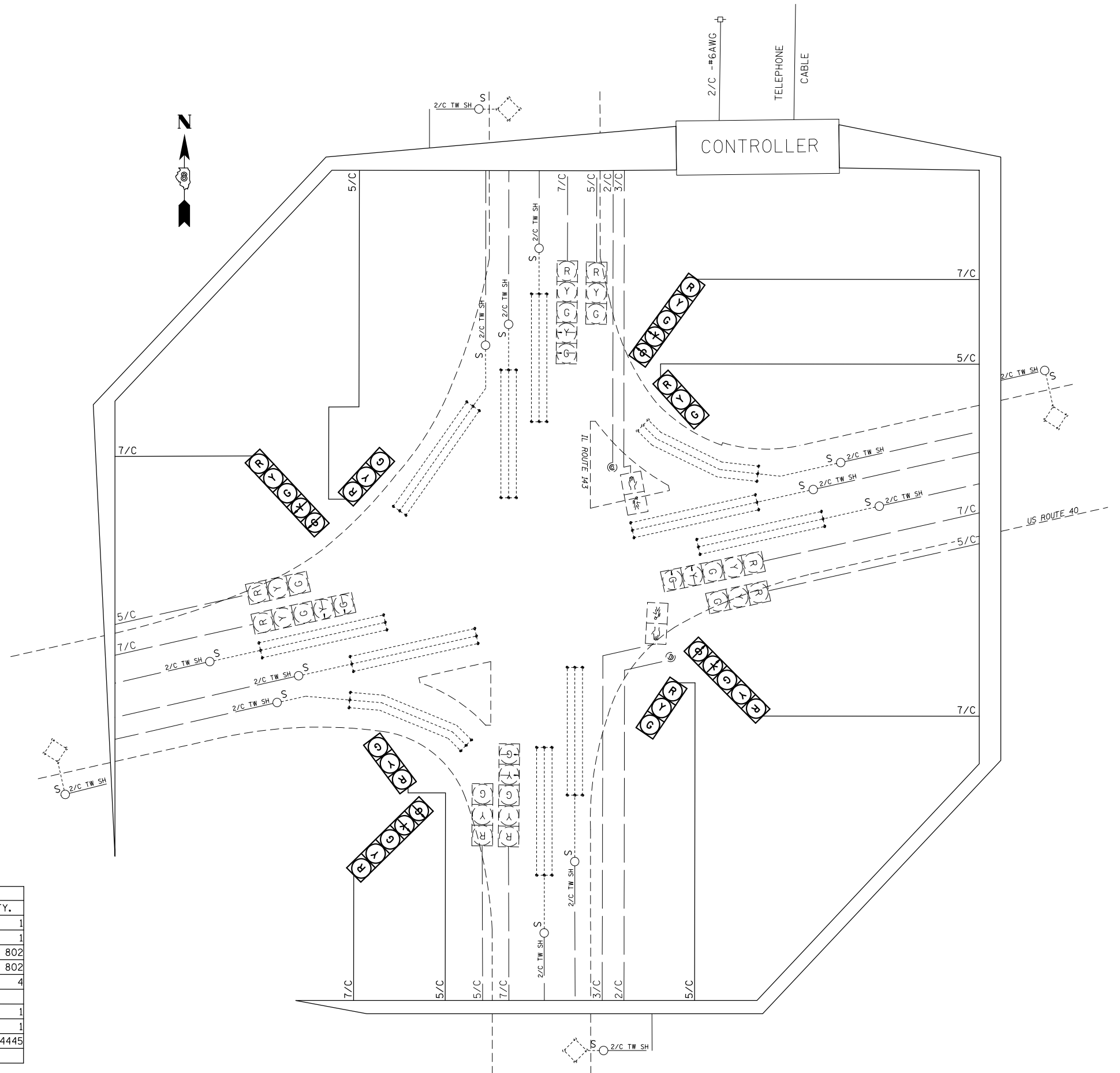
EXSE BM-EXHH02, EX. 1.5" COND.-7'
 REM & RE ELCBL FR CON-70'
 REM & RE ELCBL FR CON-58'
 ELCBL C SIGNAL 14 5C-23'
 ELCBL C SIGNAL 14 7C-23'
 SH P LED 2F 1-3 1-5 BM-1 (EACH)

EXHH01-EXHH02, EX. 2" COND.-136'
 6-REM & RE ELCBL FR CON-143' (EACH)
 ELCBL C SIGNAL 14 5C-143'
 ELCBL C SIGNAL 14 7C-143'



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	802
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	802
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4445

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 40 & IL 143 (HIGHLAND, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	83
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

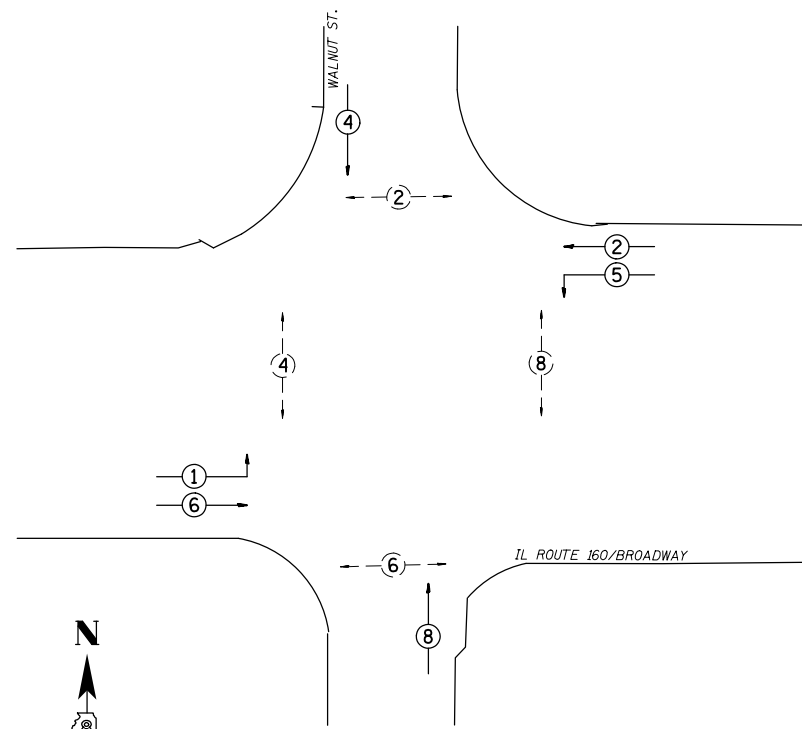
12"



PROPOSED TRAFFIC SIGNAL FACES

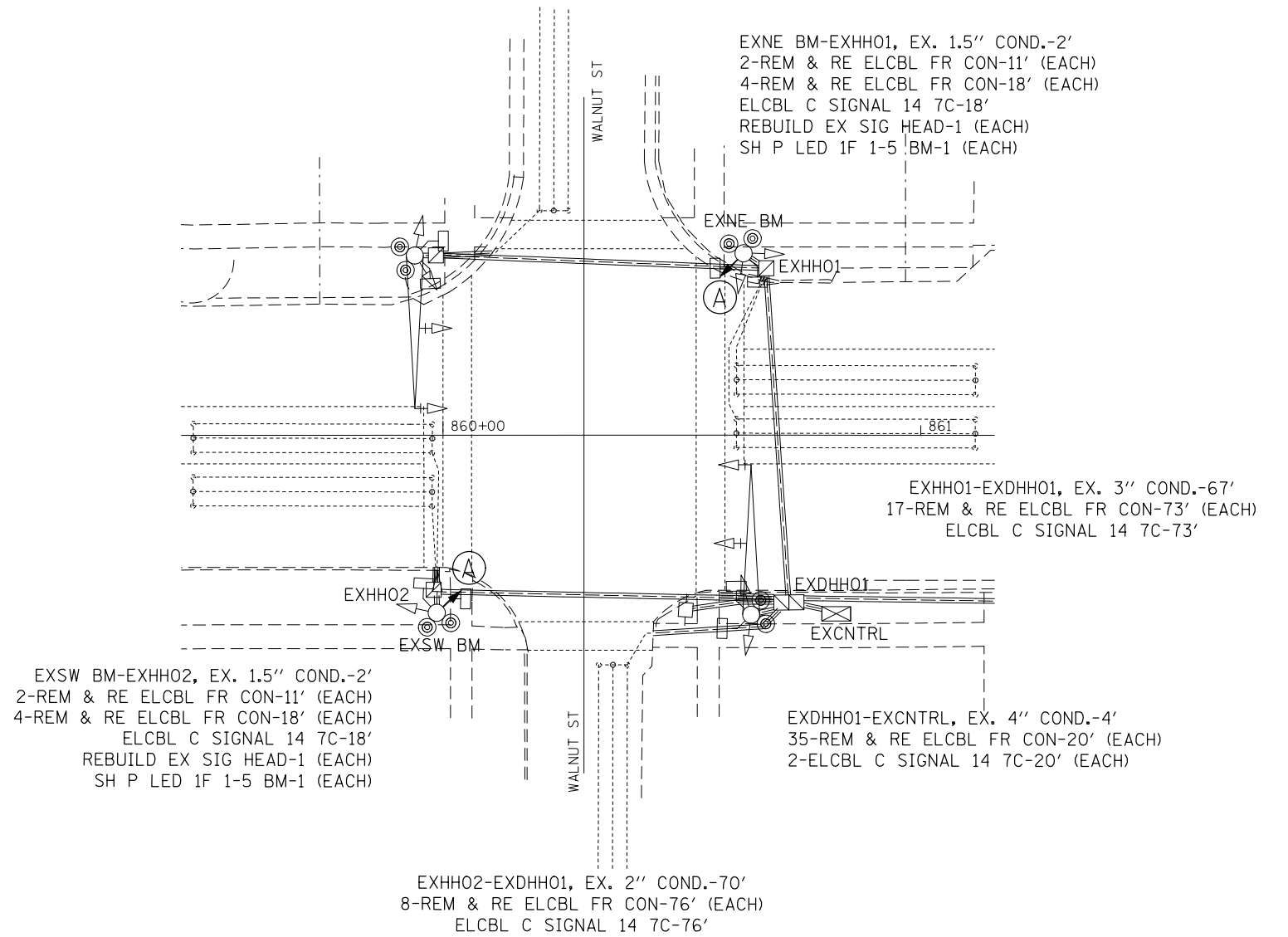
EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←*	NOT USED	↑↓*	→	←*	NOT USED	↑↓*
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		8	1 OR 2	1 OR 2		4

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY



PHASE DESIGNATION DIAGRAM

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



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	PLOT DATE = 3/18/2016	DATE -	REVISED -

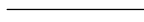

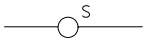
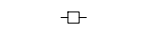
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

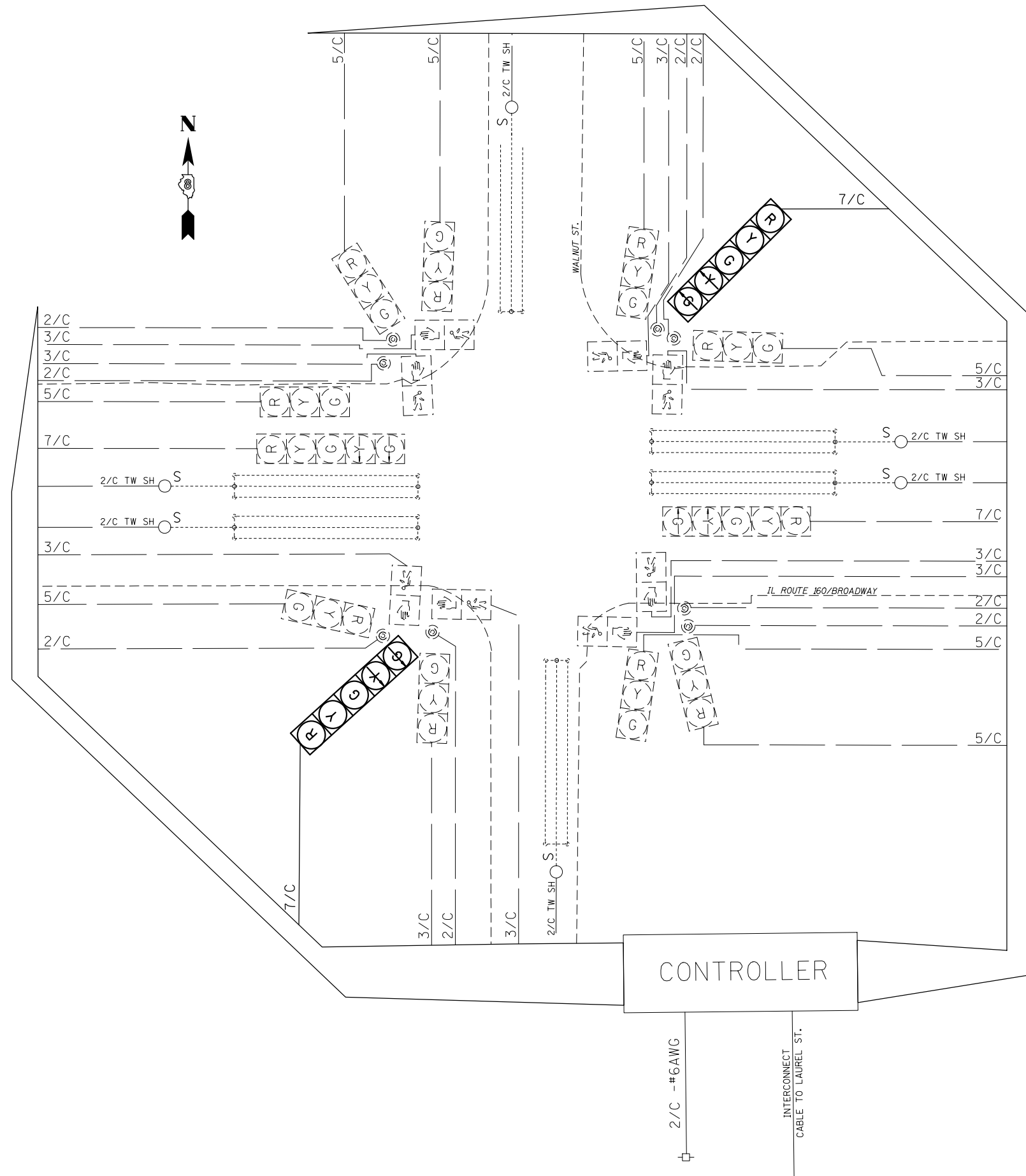
IL 160 & WALNUT (HIGHLAND, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	84
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	225
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2737

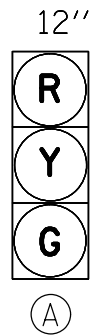
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	PLOT DATE = 3/18/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 160 & WALNUT (HIGHLAND, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	85
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

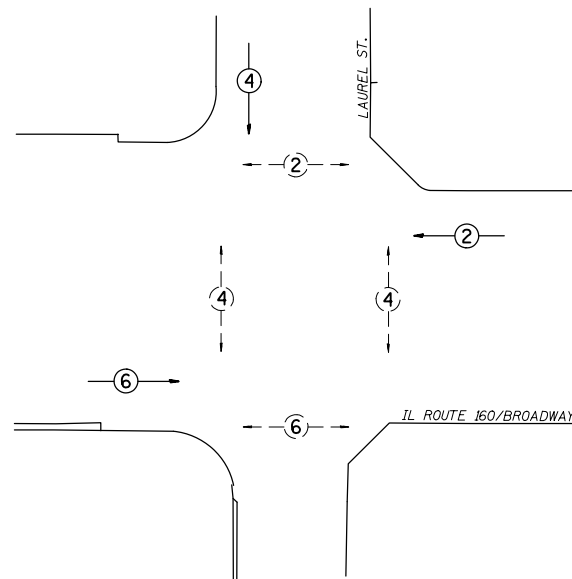


PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	←*	NOT USED	↑↓	NOT USED	→*	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED		6		NONE		2		

* NON-ACTUATED PEDSTRIAN MOVEMENT
PHASES 2 AND 6 SHALL TIME CONCURRENTLY.

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

EXSW BM-EXHH03, EX. 1.5" COND.-1'
REM & RE ELCBL FR CON-10' (EACH)
4-REM & RE ELCBL FR CON-17' (EACH)
ELCBL C SIGNAL 14 5C-17'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-3 BM-1 (EACH)

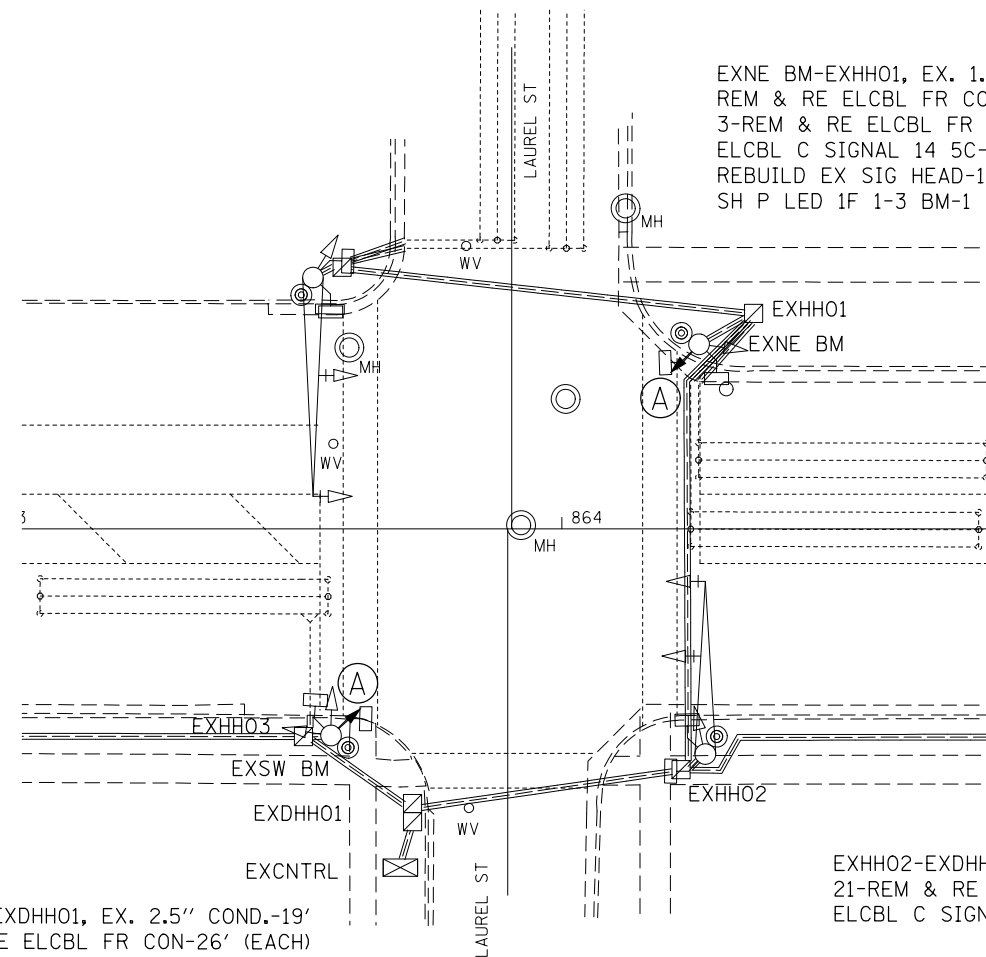
EXHH03-EXDHH01, EX. 2.5" COND.-19'
7-REM & RE ELCBL FR CON-26' (EACH)
ELCBL C SIGNAL 14 5C-26'

EXDHH01-EXCNTRL, EX. 2-4" COND.-5'
28-REM & RE ELCBL FR CON-21' (EACH)
2-ELCBL C SIGNAL 14 5C-21' (EACH)

EXNE BM-EXHH01, EX. 1.5" COND.-7'
REM & RE ELCBL FR CON-16' (EACH)
3-REM & RE ELCBL FR CON-23' (EACH)
ELCBL C SIGNAL 14 5C-23'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-3 BM-1 (EACH)

EXHH01-EXHH02, EX. 3" COND.-80'
14-REM & RE ELCBL FR CON-87' (EACH)
ELCBL C SIGNAL 14 5C-87'

EXHH02-EXDHH01, EX. 4" COND.-44'
21-REM & RE ELCBL FR CON-50' (EACH)
ELCBL C SIGNAL 14 5C-50'



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

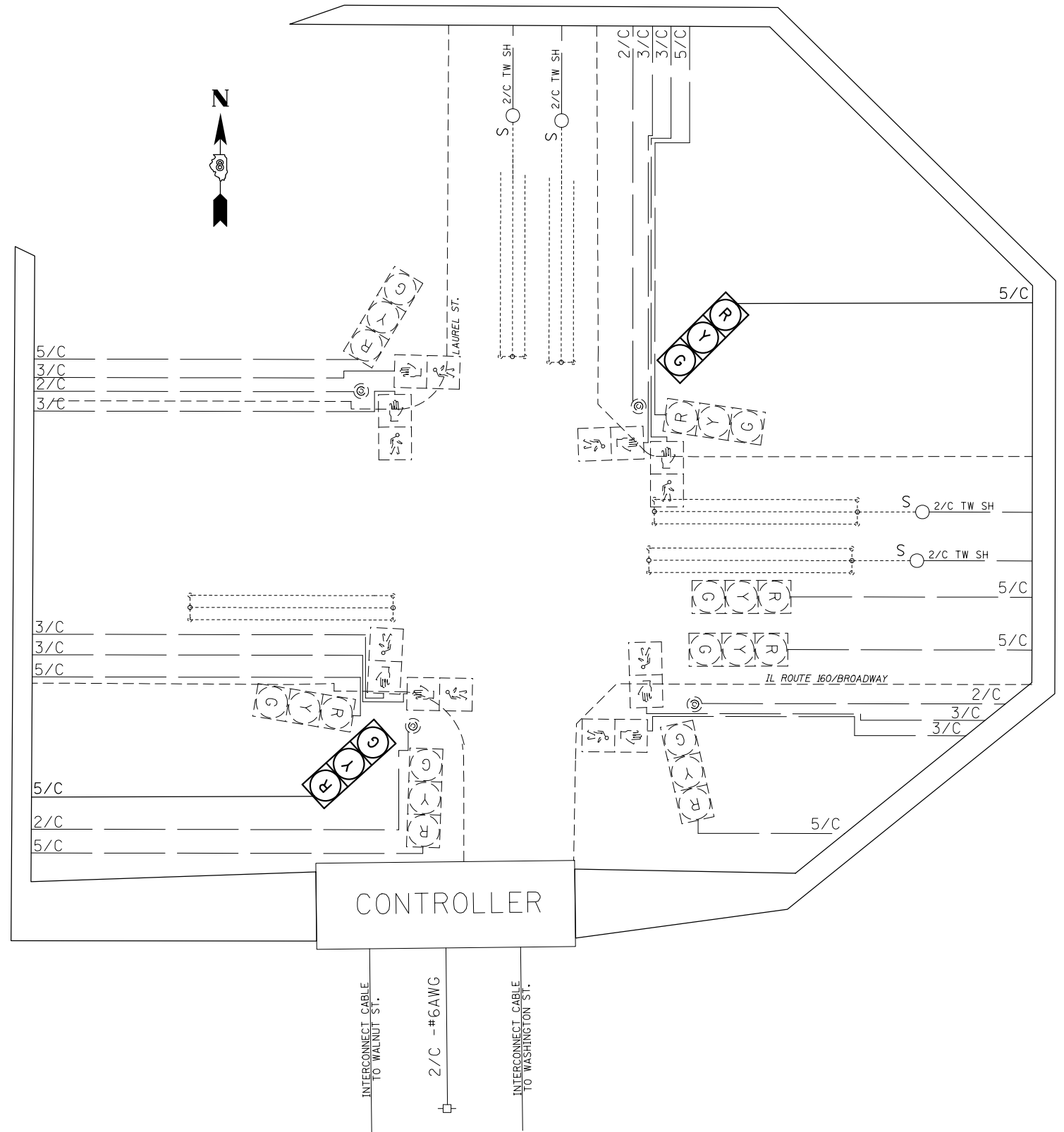
IL 160 & LAUREL (HIGHLAND, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	86
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- S ——— EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	245
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502390	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3201

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 160 & LAUREL (HIGHLAND, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	87
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←*	NOT USED	↑*	↓	→*	NOT USED	NOT USED
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6		NONE	1 OR 2	1 OR 2		

* PEDSTRIAN MOVEMENT ON ACTUATION ONLY

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

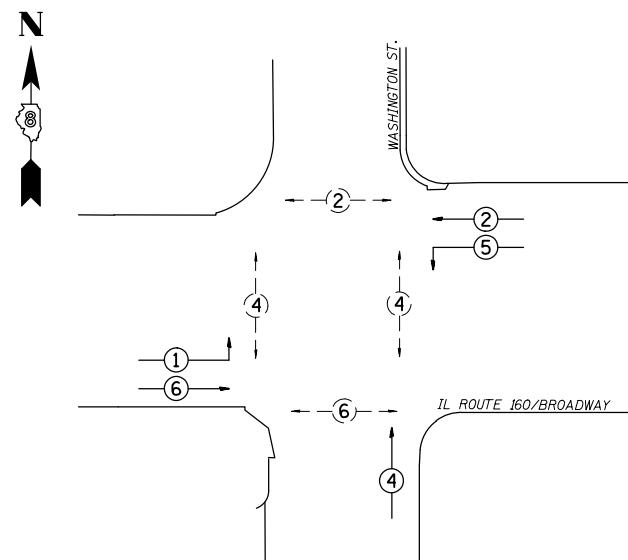
EXHH01-EXHH02, EX. 2" COND.-60'
7-REM & RE ELCBL FR CON-66' (EACH)
ELCBL C SIGNAL 14 7C-66'

EXNE BM-EXHH01, EX. 1.5" COND.-5'
REM & RE ELCBL FR CON-14'
4-REM & RE ELCBL FR CON-21' (EACH)
ELCBL C SIGNAL 14 7C-21'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-5 BM-1 (EACH)

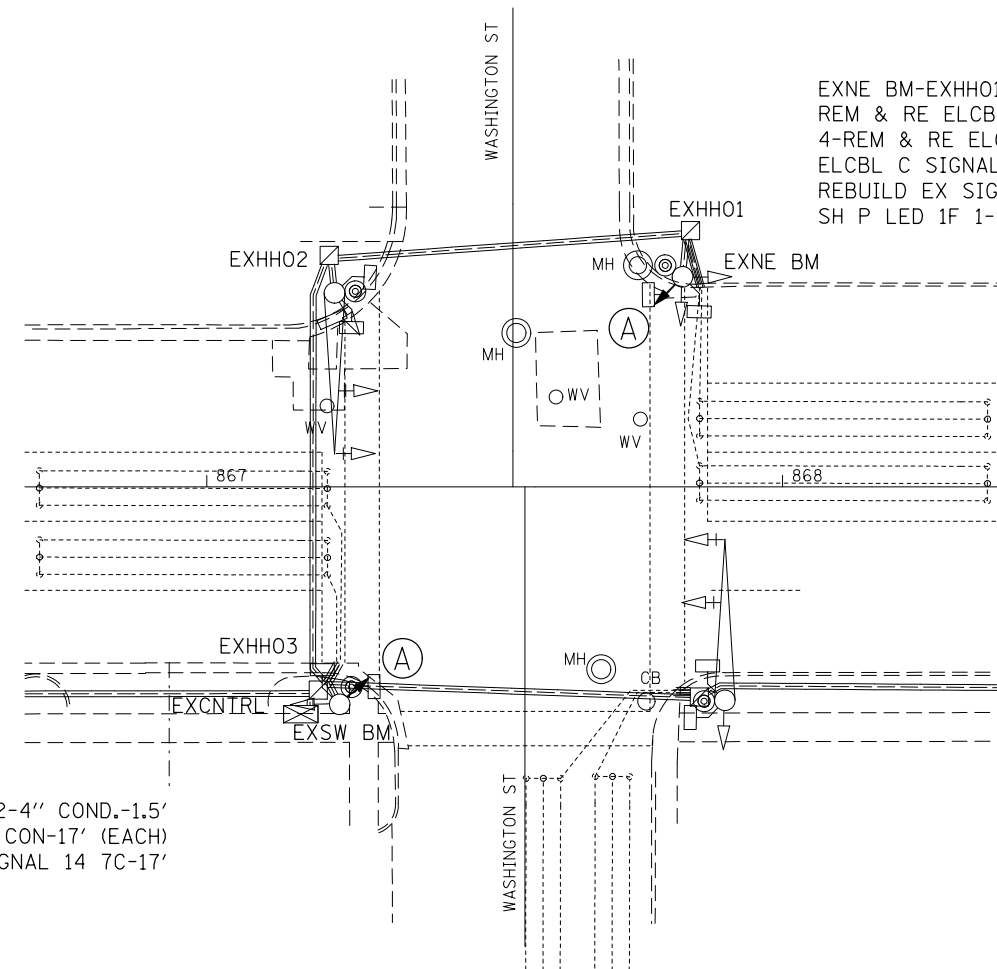
EXHH02-EXCNTRL, EX. 3" COND.-125'
13-REM & RE ELCBL FR CON-80' (EACH)
ELCBL C SIGNAL 14 7C-80'

EXHH03-EXCNTRL, EX. 2-4" COND.-1.5'
29-REM & RE ELCBL FR CON-17' (EACH)
2-ELCBL C SIGNAL 14 7C-17'

EXSW BM-EXHH03, EX. 1.5" COND.-3'
REM & RE ELCBL FR CON-12'
3-REM & RE ELCBL FR CON-19' (EACH)
ELCBL C SIGNAL 14 7C-19'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-5 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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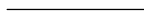

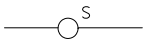
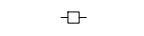
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

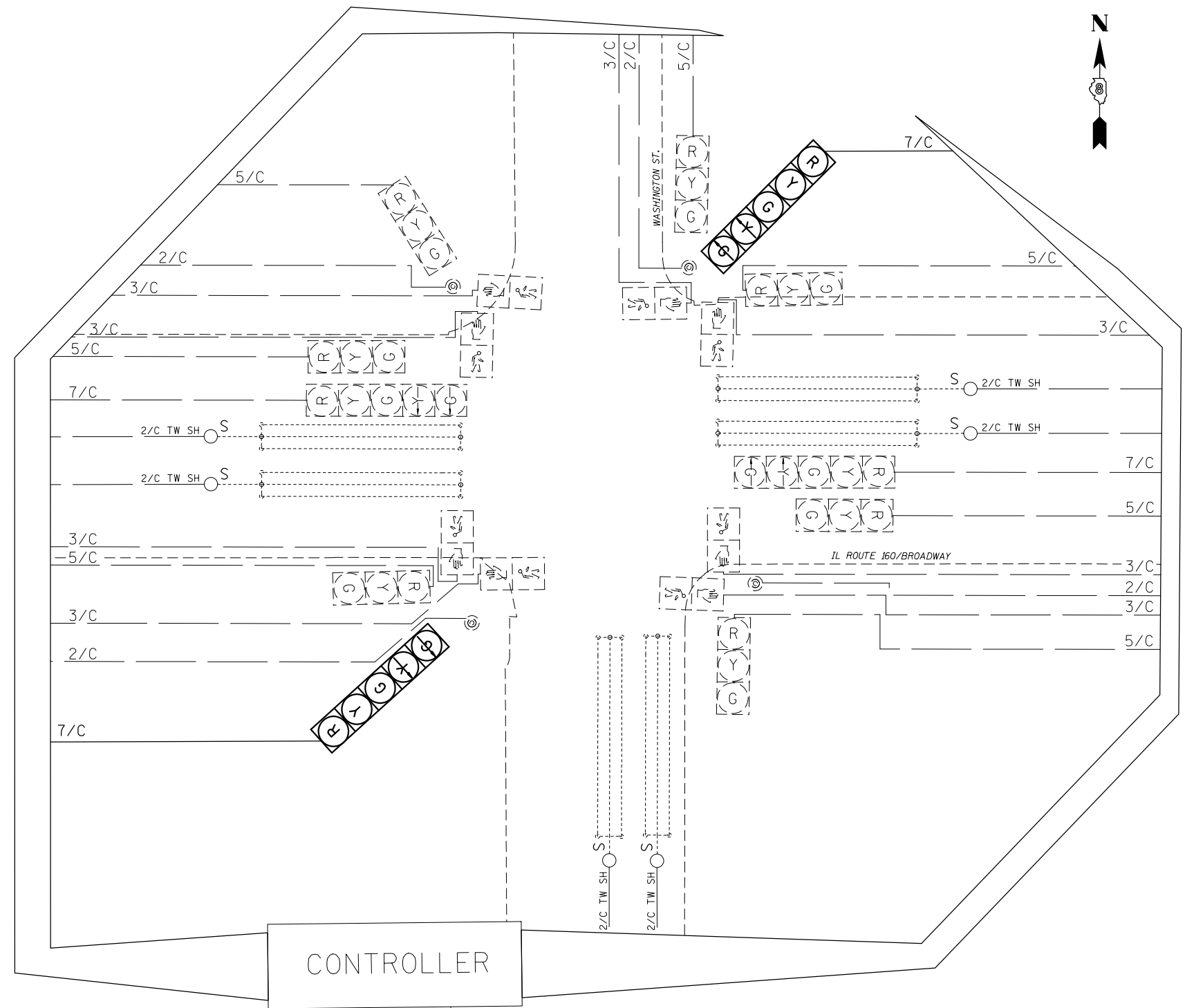
IL 160 & WASHINGTON (HIGHLAND, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	88
**VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	85
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	135
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2162

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 160 & WASHINGTON (HIGHLAND, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	89
•=VARIOUS		CONTRACT NO. 76J21		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

12"



(A)

PROPOSED TRAFFIC SIGNAL FACES

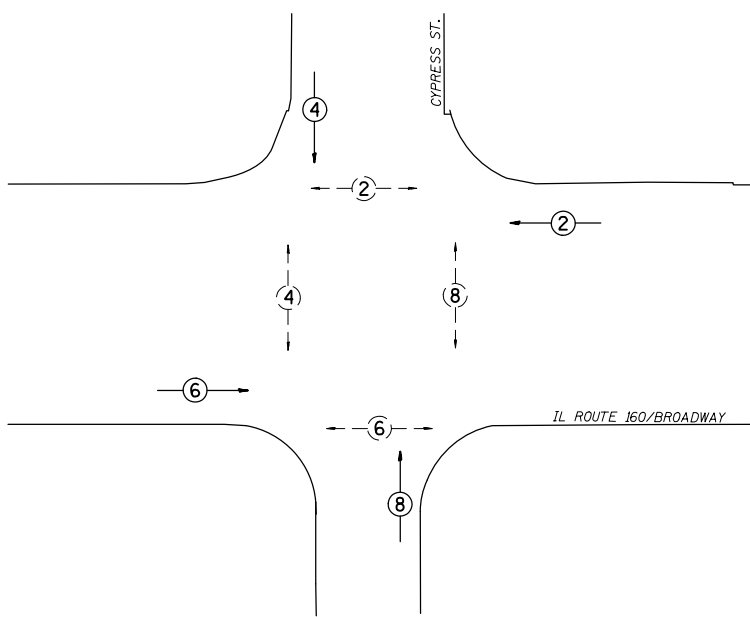
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	←→*	NOT USED	*↑↓	NOT USED	←→	NOT USED	↑↓*
CONCURRENT MOVEMENT PERMITTED		6		8		2		

* NON-ACTUATED PEDSTRIAN MOVEMENT PHASES 2&6 AND PHASES 4&8 SHALL TIME CONCURRENTLY.

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



PHASE DESIGNATION DIAGRAM

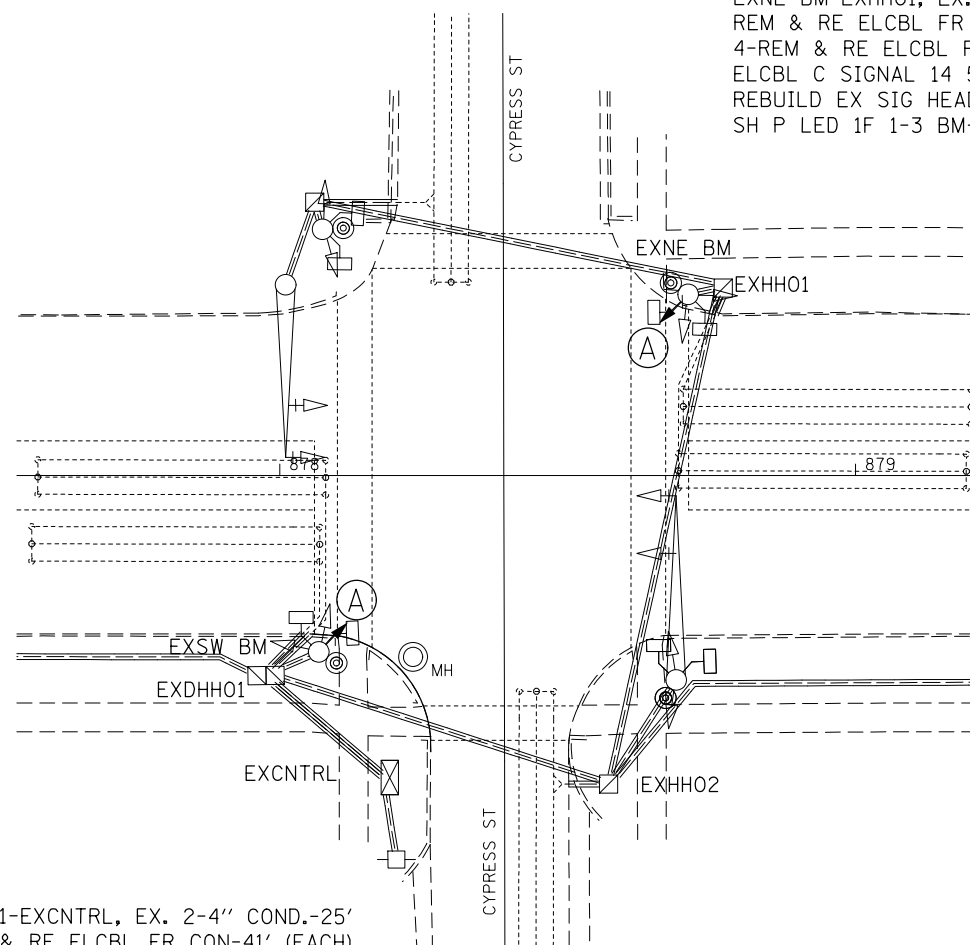
EXSW BM-EXDHH01, EX. 2" COND.-5'
 REM & RE ELCBL FR CON-14'
 4-REM & RE ELCBL FR CON-21' (EACH)
 ELCBL C SIGNAL 14 5C-21'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-3 BM-1 (EACH)

EXDHH01-EXCNTRL, EX. 2-4" COND.-25'
 32-REM & RE ELCBL FR CON-41' (EACH)
 2-ELCBL C SIGNAL 14 5C-41' (EACH)

EXHH02-EXDHH01, EX. 4" COND.-58'
 24-REM & RE ELCBL FR CON-64' (EACH)
 ELCBL C SIGNAL 14 5C-64'

EXNE BM-EXHH01, EX. 2" COND.-3'
 REM & RE ELCBL FR CON-12'
 4-REM & RE ELCBL FR CON-19' (EACH)
 ELCBL C SIGNAL 14 5C-19'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-3 BM-1 (EACH)

EXHH01-EXHH02, EX. 3" COND.-85'
 15-REM & RE ELCBL FR CON-91' (EACH)
 ELCBL C SIGNAL 14 5C-91'



SCALE IN FEET

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

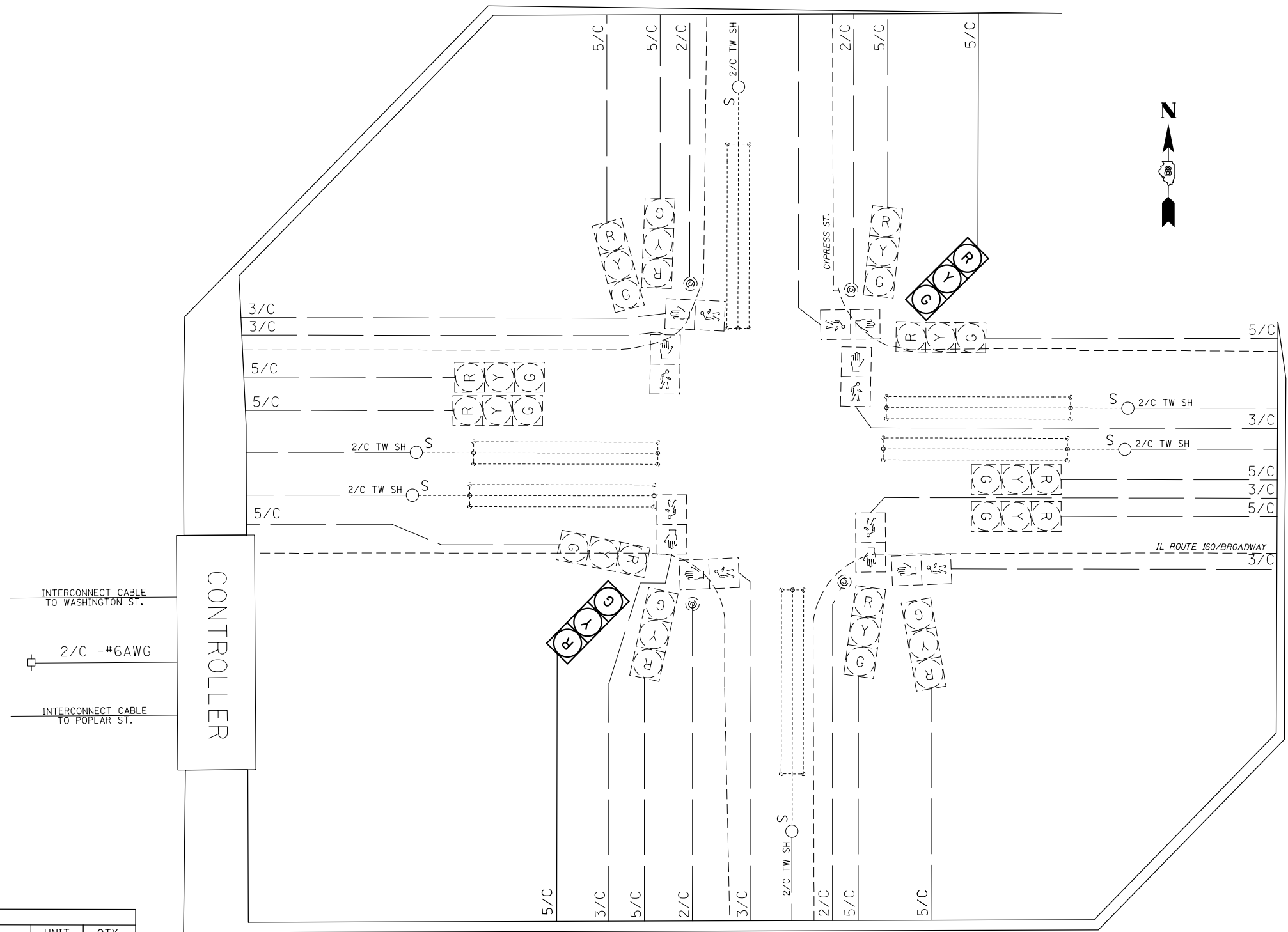
IL 160 & CYPRESS (HIGHLAND, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Dist 8 TS 2016-2			126	90
CONTRACT NO. 76J21				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING ELECTRIC CABLE IN CONDUIT
- ^S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	277
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4399

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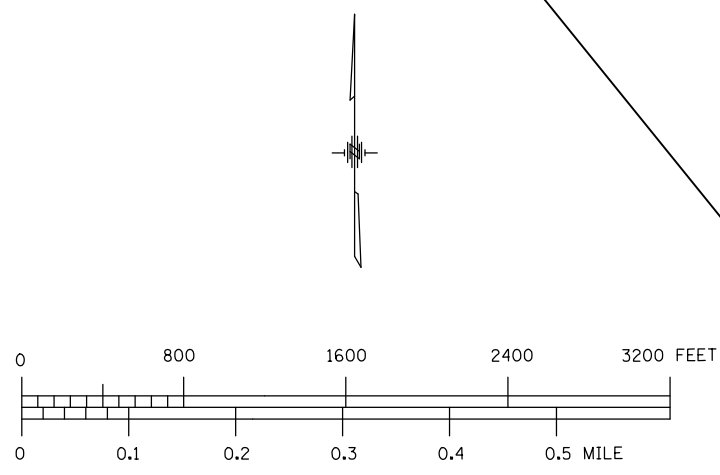
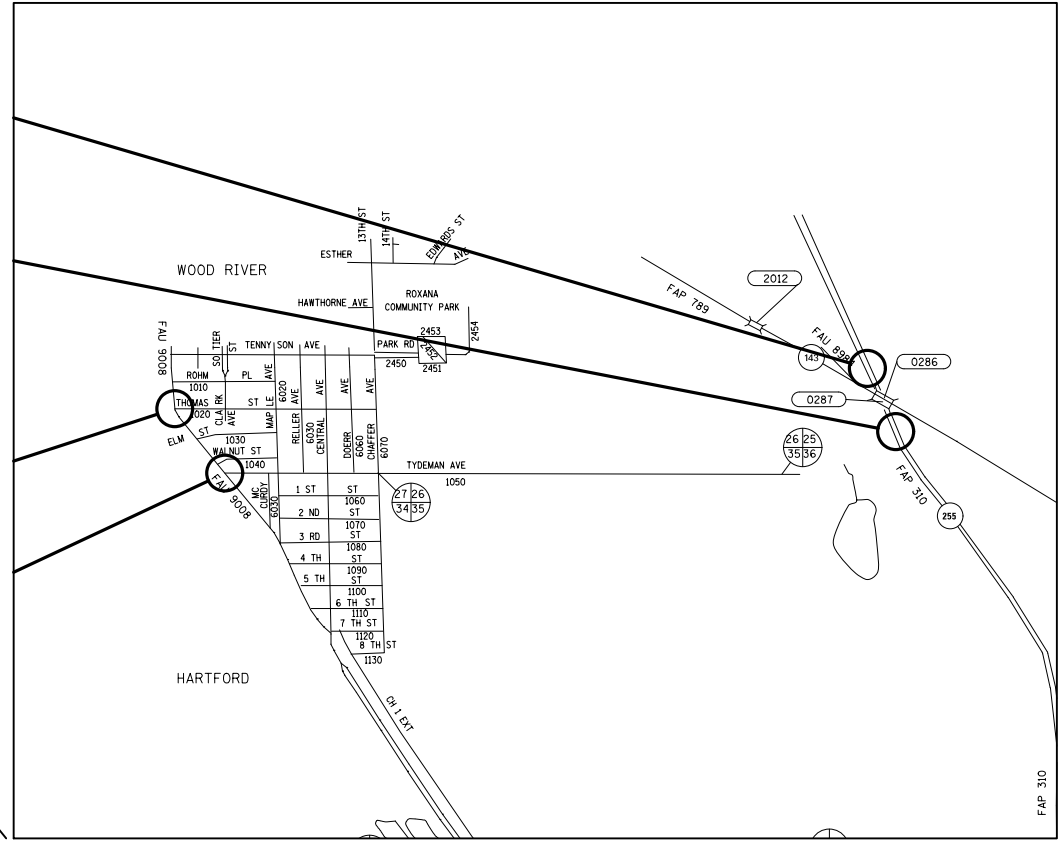
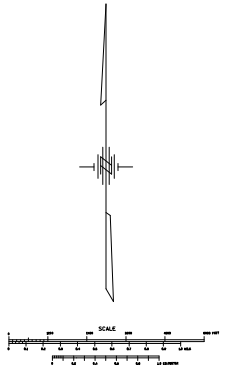
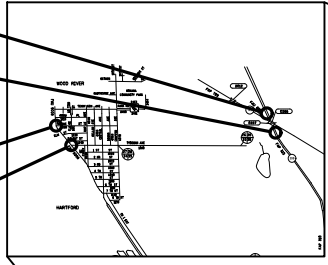
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 160 & CYPRESS (HIGHLAND, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	91
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

IL 143 & IL 255 W JCT
 IL 143 & IL 255 E JCT
 IL 111 & THOMAS
 IL 111 & TYDEMAN



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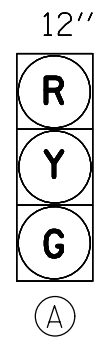
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LOCATION
 MAP ROXANA, MADISON CNTY.**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	92
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"



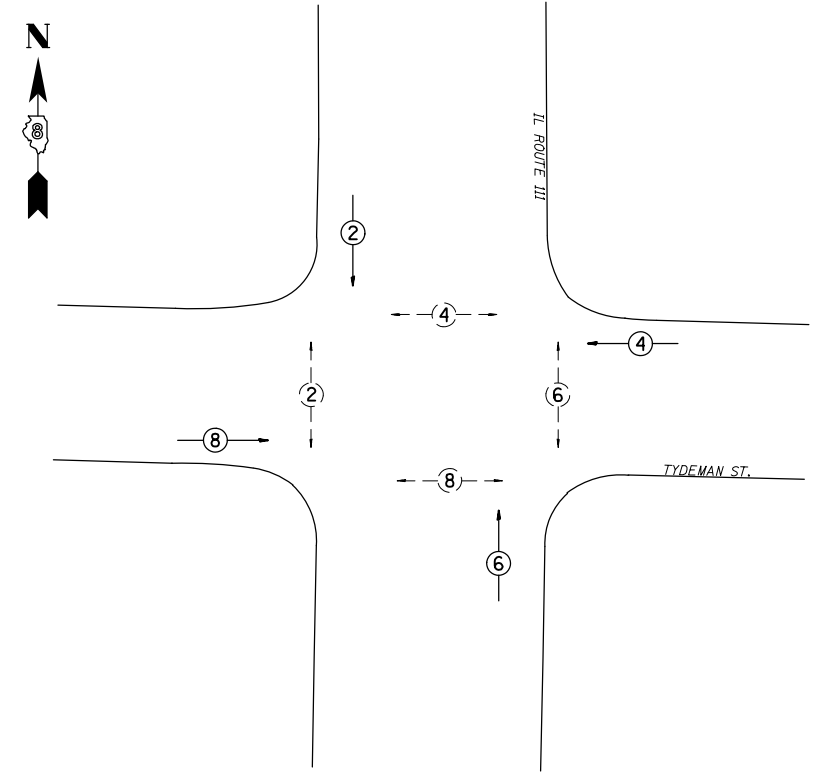
EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	↑↓	NOT USED	←→*	NOT USED	↑↓*	NOT USED	←→*
CONCURRENT MOVEMENT PERMITTED		6		8		2		4

* PHASES 2&6 AND 4&8 SHALL TIME CONCURRENTLY.
 PEDSTRIAN MOVEMENT DISPLAYED UPON ACTUATION ONLY.

PROPOSED TRAFFIC SIGNAL FACES

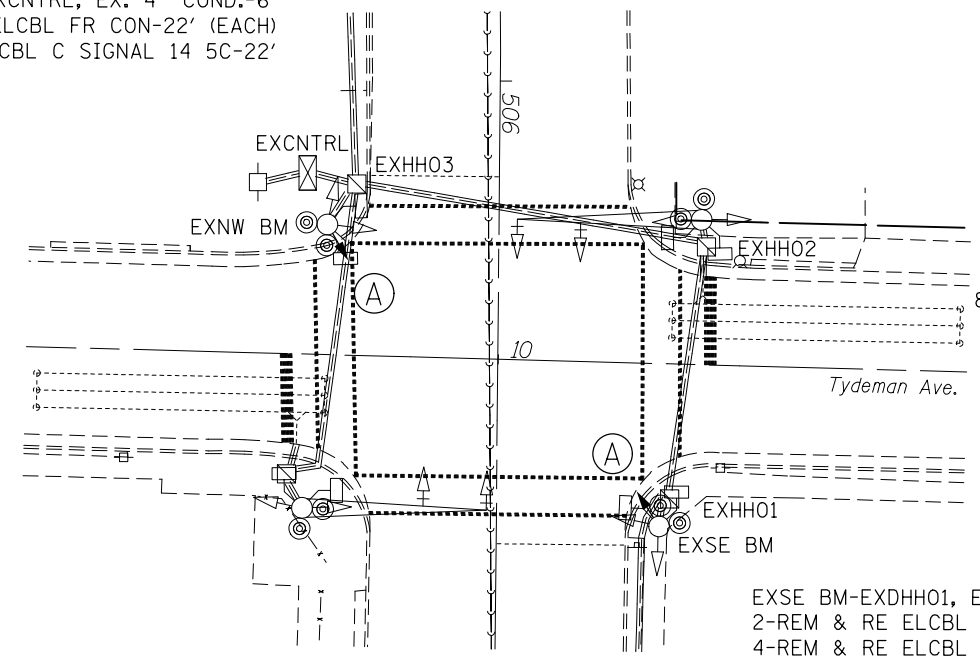


PHASE DESIGNATION DIAGRAM

EXNW BM-EXHHO3, EX. 2" COND.-5'
 2-REM & RE ELCBL FR CON-14' (EACH)
 4-REM & RE ELCBL FR CON-21' (EACH)
 ELCBL C SIGNAL 14 5C-21'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-3 BM-1 (EACH)

EXHHO3-EXCNTRL, EX. 4" COND.-6'
 35-REM & RE ELCBL FR CON-22' (EACH)
 2-ELCBL C SIGNAL 14 5C-22'

EXHHO2-EXHHO3, EX. 2.5" COND.-58'
 17-REM & RE ELCBL FR CON-65' (EACH)
 ELCBL C SIGNAL 14 5C-65'



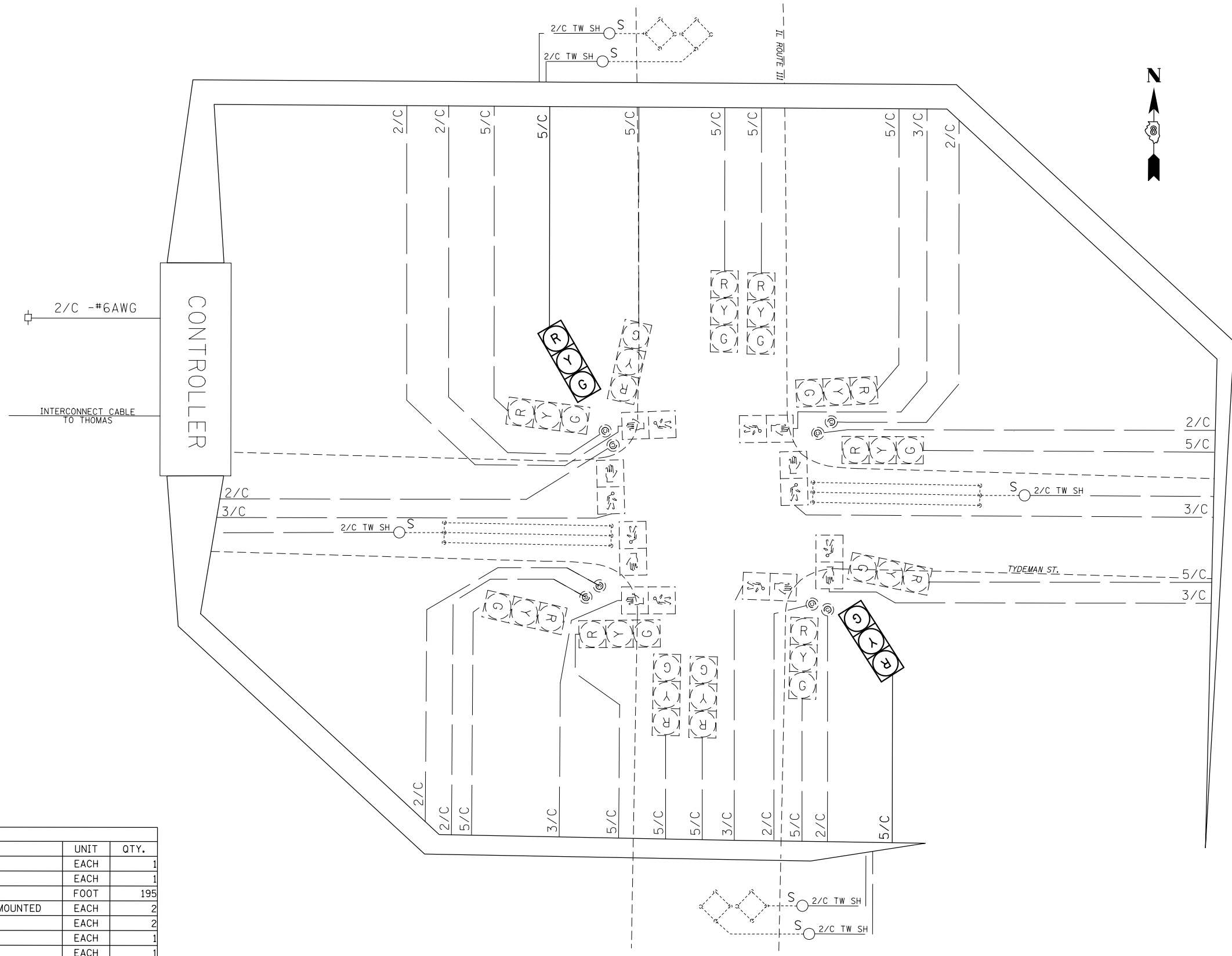
EXHHO1-EXHHO2, EX. 2" COND.-41'
 8-REM & RE ELCBL FR CON-48' (EACH)
 ELCBL C SIGNAL 14 5C-48'

EXSE BM-EXDHHO1, EX. 2" COND.-1'
 2-REM & RE ELCBL FR CON-10' (EACH)
 4-REM & RE ELCBL FR CON-17' (EACH)
 ELCBL C SIGNAL 14 5C-17'
 REBUILD EX SIG HEAD-1 (EACH)
 SH P LED 1F 1-3 BM-1 (EACH)



CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	195
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2459

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

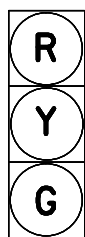
**IL 111 & TYDEMAN (ROXANA, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	94
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

12"



(A)

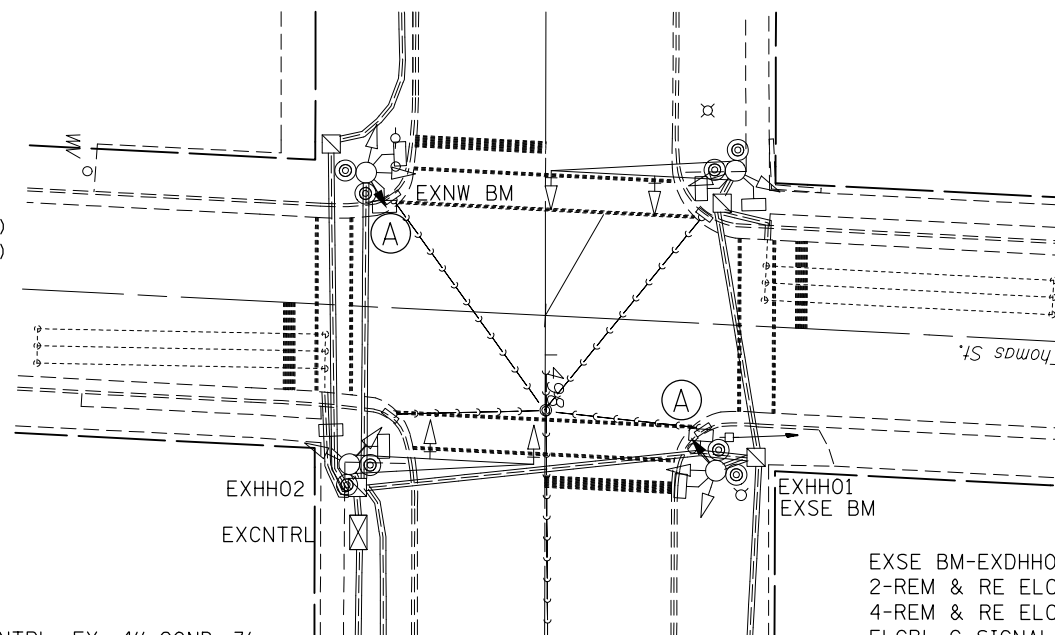
PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	↑↓	NOT USED	←→*	NOT USED	↑↓*	NOT USED	←→*
CONCURRENT MOVEMENT PERMITTED		6		8		2		4

* PHASES 2&6 AND 4&8 SHALL TIME CONCURRENTLY.
PEDSTRIAN MOVEMENT DISPLAYED UPON ACTUATION ONLY.

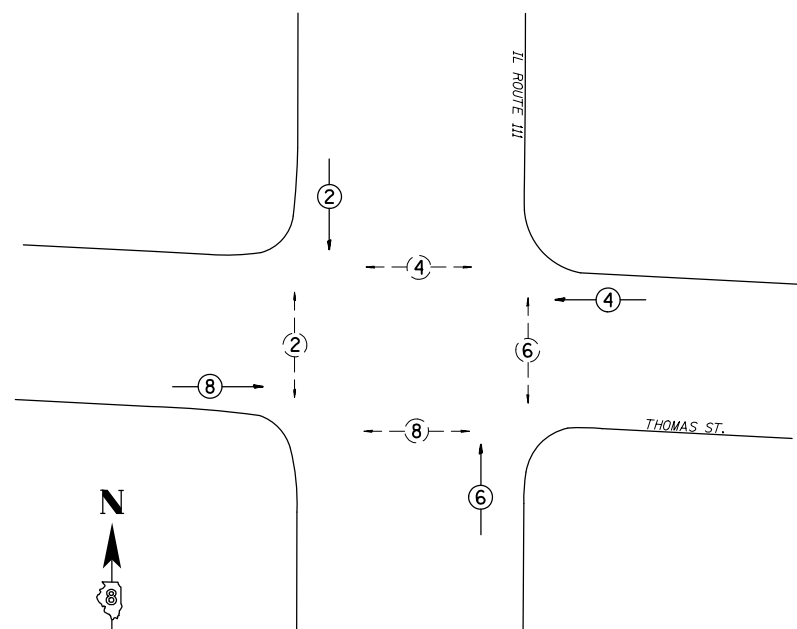
EXNW BM-EXHH02, EX. 2" COND.-51'
2-REM & RE ELCBL FR CON-67' (EACH)
4-REM & RE ELCBL FR CON-67' (EACH)
ELCBL C SIGNAL 14 5C-67'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-3 BM-1 (EACH)



EXHH02-EXCNTRL, EX. 4" COND.-3'
36-REM & RE ELCBL FR CON-19' (EACH)
2-ELCBL C SIGNAL 14 5C-19' (EACH)

EXSE BM-EXDHH01, EX. 2" COND.-4'
2-REM & RE ELCBL FR CON-13' (EACH)
4-REM & RE ELCBL FR CON-20' (EACH)
ELCBL C SIGNAL 14 5C-20'
REBUILD EX SIG HEAD-1 (EACH)
SH P LED 1F 1-3 BM-1 (EACH)

EXHH01-EXHH02, EX. 3" COND.-66'
18-REM & RE ELCBL FR CON-73' (EACH)
ELCBL C SIGNAL 14 5C-73'



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0876\DRAWING\CADsheets\0876J21-sht-tsp\		CHECKED -	REVISED -
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	PLOT DATE = 3/18/2016		

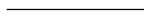

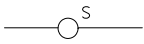
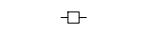
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

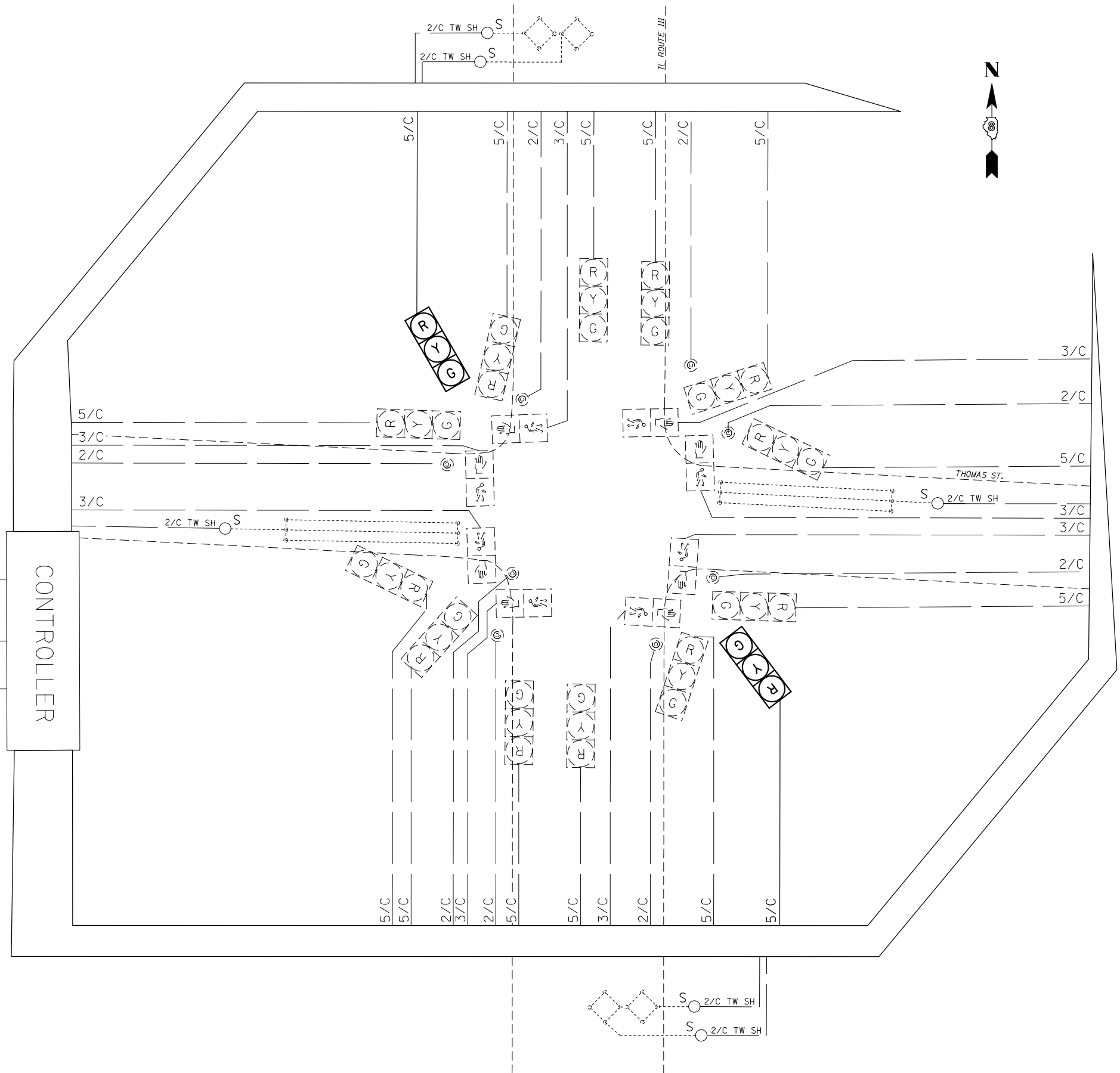
IL 111 & THOMAS (ROXANA, MADISON CNTY.)
TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	95
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

-  PROPOSED ELECTRIC CABLE IN CONDUIT
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
-  EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	198
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
89502100	REBUILD EXISTING SIGNAL HEAD	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2506

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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		DATE -	REVISED -

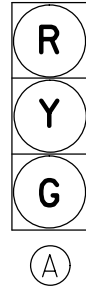
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 111 & THOMAS (ROXANA, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	96
•=VARIOUS		CONTRACT NO. 76J21		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

12"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER								
EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↙	↘	NOT USED	NOT USED	NOT USED	↖	NOT USED	↗
CONCURRENT MOVEMENT PERMITTED	6	6				1 OR 2		NONE

PRNW RBM-EXHH01-7'
 LOCATE UNDERGR CABLE-7'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2"
 DRILL EX HANDHOLE1' (EACH)
 TS POST A 141' (EACH)
 ELCBL C SIGNAL 14 5C-23'
 SH P LED 1F 1-3 BM-1 (EACH)

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

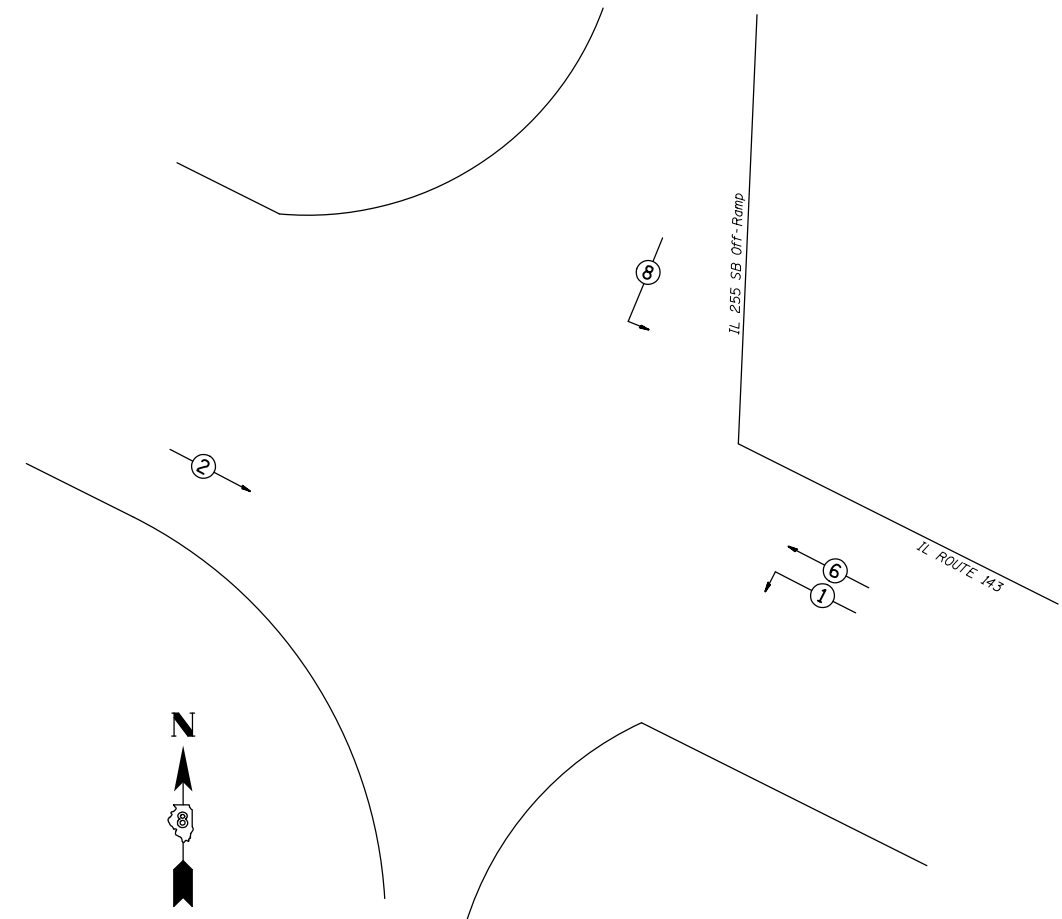
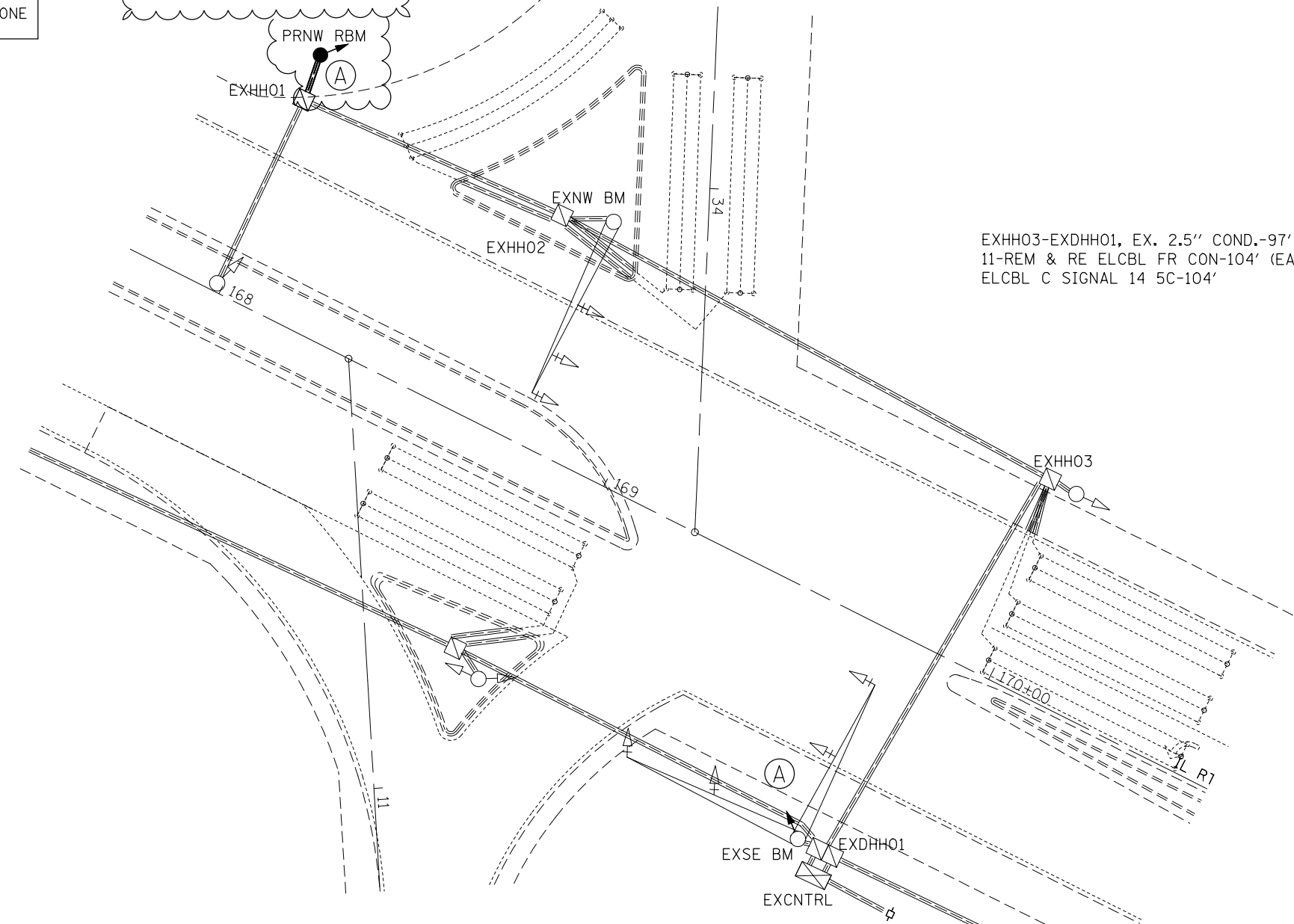
EXHH01-EXHH02, EX. 1.5" COND.-62'
 REM & RE ELCBL FR CON-68'
 ELCBL C SIGNAL 14 5C-68'

EXHH02-EXHH03, EX. 2" COND.-125'
 7-REM & RE ELCBL FR CON-131' (EACH)
 ELCBL C SIGNAL 14 5C-131'

EXHH03-EXDHH01, EX. 2.5" COND.-97'
 11-REM & RE ELCBL FR CON-104' (EACH)
 ELCBL C SIGNAL 14 5C-104'

EXSE BM-EXDHH01, EX. 2" COND.-1.5'
 4-REM & RE ELCBL FR CON-8' (EACH)
 ELCBL C SIGNAL 14 5C-8'
 SH P LED 1F 1-3 BM-1 (EACH)

EXDHH01-EXCNTRL, EX. 2-4" COND.-2'
 25-REM & RE ELCBL FR CON-18' (EACH)
 2-ELCBL C SIGNAL 14 5C-18' (EACH)



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333 / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

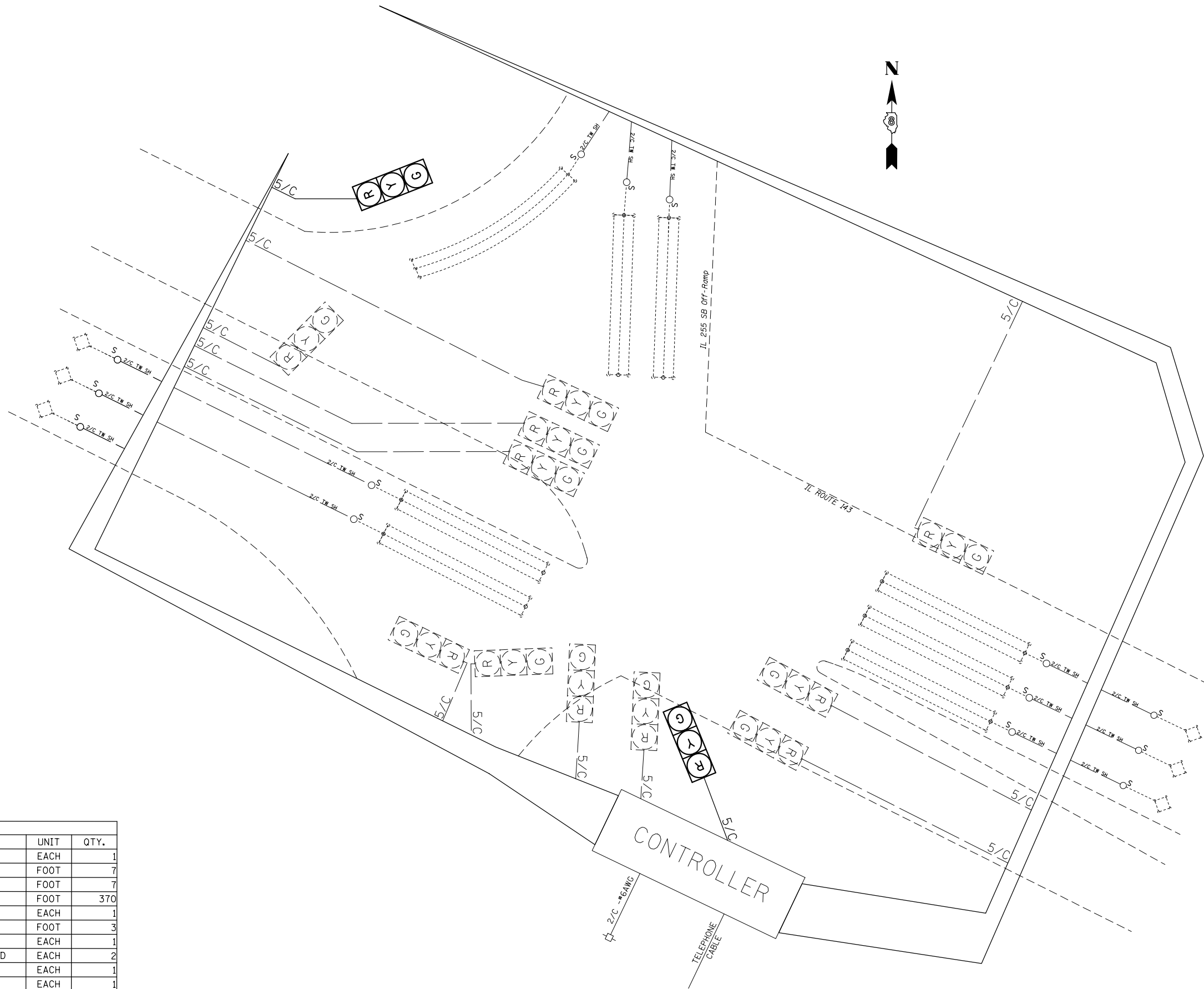
IL 143 & IL 255 W JCT (ROXANA, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	Dist 8 TS 2016-2	*	126	97
* = VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	7
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	7
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	370
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2611

12"



PROPOSED TRAFFIC SIGNAL FACES

EXISTING FULL-ACTUATED CONTROLLER

EXISTING SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT USED	↘	NOT USED	NOT USED	↙	↗	NOT USED	↖
CONCURRENT MOVEMENT PERMITTED		5 OR 6			2	2		NONE

SEE CABLE DIAGRAM FOR "SCHEDULE OF QUANTITIES"

EXNW BM-EXHH03, EX. 2" COND.-1'
 REM & RE ELCBL FR CON-68'
 REM & RE ELCBL FR CON-34'
 REM & RE ELCBL FR CON-40'
 REM & RE ELCBL FR CON-64'
 ELCBL C SIGNAL 14 5C-17'
 SH P LED 1F 1-3 BM-1 (EACH)

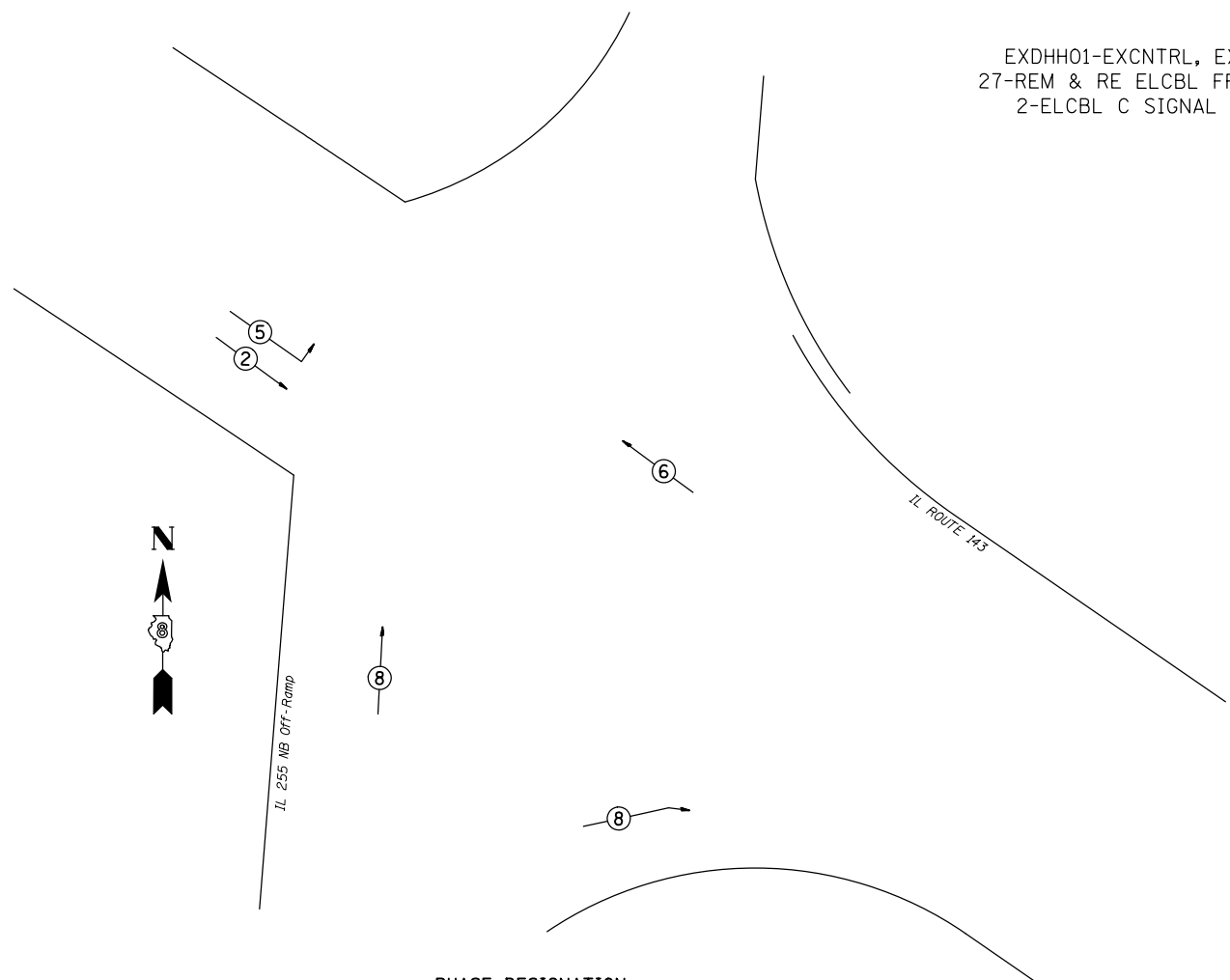
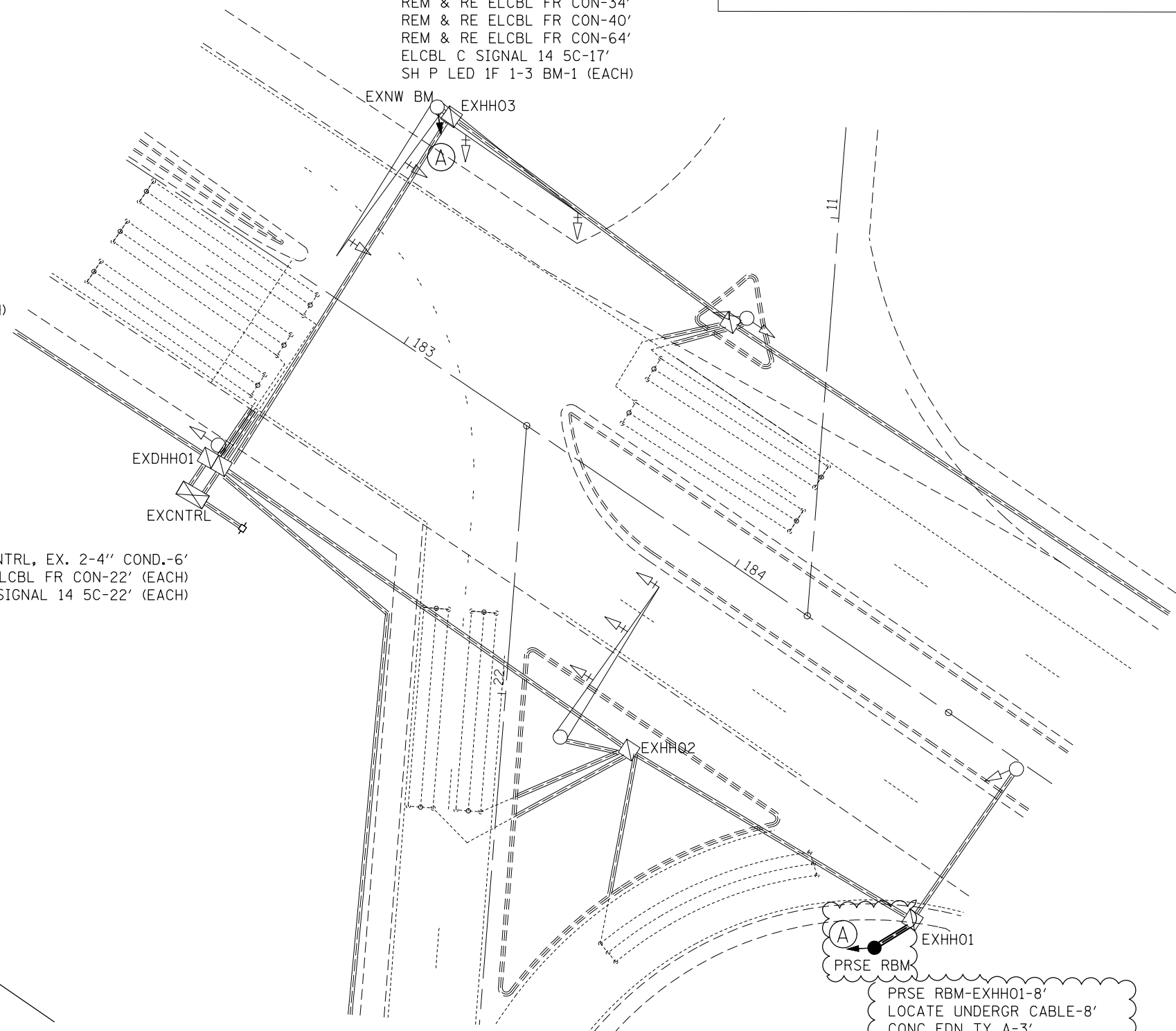
EXHH03-EXDHH01, EX. 2.5" COND.-101'
 11-REM & RE ELCBL FR CON-107' (EACH)
 ELCBL C SIGNAL 14 5C-107'

EXDHH01-EXCNTRL, EX. 2-4" COND.-6'
 27-REM & RE ELCBL FR CON-22' (EACH)
 2-ELCBL C SIGNAL 14 5C-22' (EACH)

EXHH02-EXDHH01, EX. 2.5" COND.-121'
 7-REM & RE ELCBL FR CON-127' (EACH)
 ELCBL C SIGNAL 14 5C-127'

EXHH01-EXHH02, EX. 1.5" COND.-79'
 REM & RE ELCBL FR CON-85'
 ELCBL C SIGNAL 14 5C-85'

PRSE RBM-EXHH01-8'
 LOCATE UNDERGR CABLE-8'
 CONC FDN TY A-3'
 UNDRGRD C PVC 1 1/2"
 DRILL EX HANDHOLE1' (EACH)
 TS POST A 141' (EACH)
 ELCBL C SIGNAL 14 5C-24'
 SH P LED 1F 1-3 BM-1 (EACH)



PHASE DESIGNATION DIAGRAM



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 33.3333' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

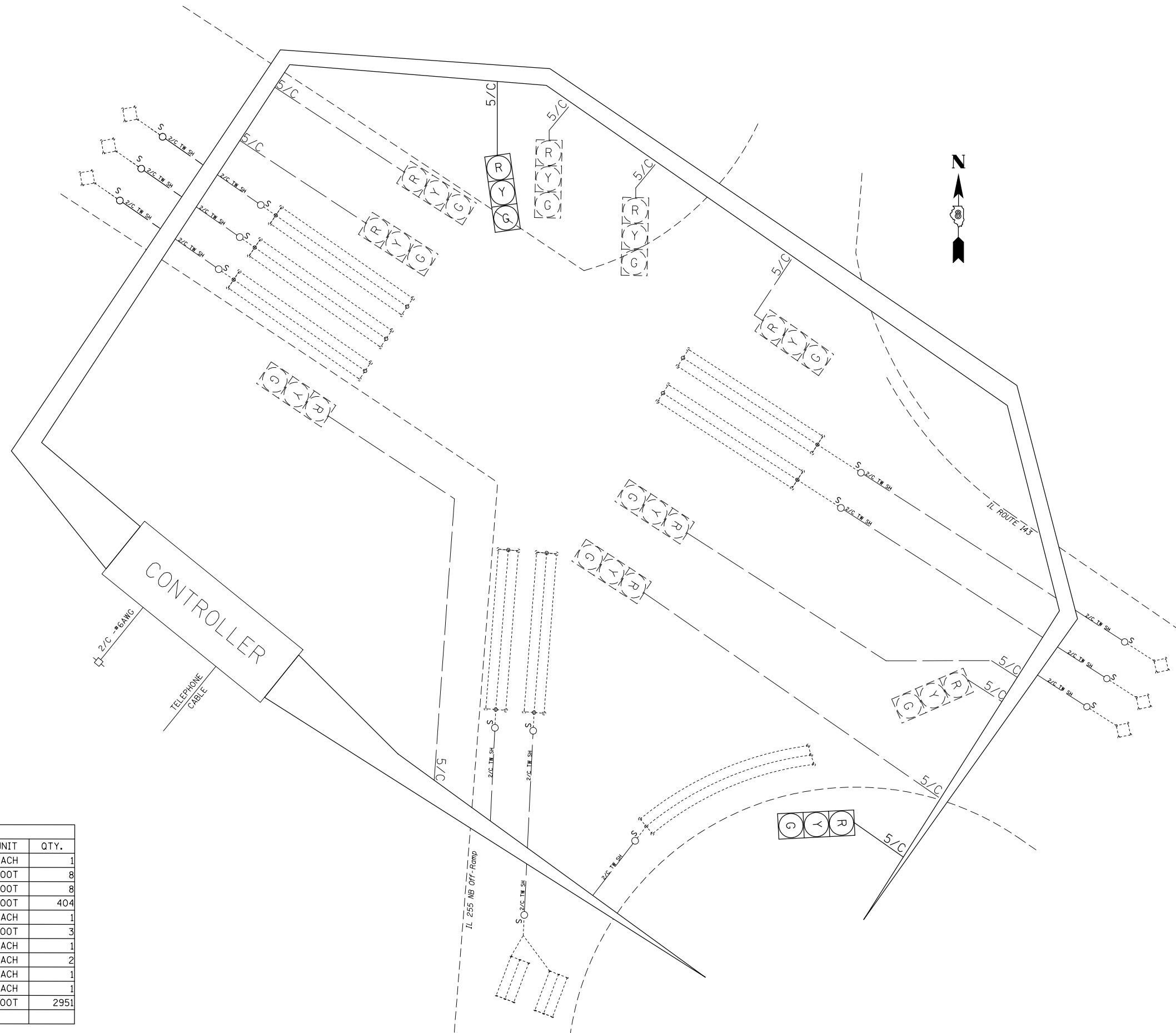
**IL 143 & IL 255 E JCT (ROXANA, MADISON CNTY.)
 TRAFFIC SIGNAL PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	99
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- S EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTOR
- EXISTING SERVICE INSTALLATION



SCHEDULE OF QUANTITIES			
CODE NO.	ITEM	UNIT	QTY.
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
80300100	LOCATING UNDERGROUND CABLE	FOOT	8
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	8
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	404
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2951

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 143 & IL 255 E JCT (ROXANA, MADISON CNTY.)
WIRING DIAGRAM**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	Dist 8 TS 2016-2	•	126	100
•=VARIOUS			CONTRACT NO. 76J21	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		